RCMA

NEWSLETTER

APRIL 1986

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Testimony on HR-3378

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RCMA NEWSLETTER

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FOR YOUR INFORMATION:

1. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropriate, send input to RCMA, 1 West Potomac, Williamsport, MD 21795.

2. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA General Manager, P.O. Box 542, Silverado, CA 92676.

3. PLEASE INCLUDE YOUR RCMA MEMBERSHIP NUMBER WITH ALL CORRESPONDENCE to newsletter editors or club headquarters.

4. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.

5. Please write on only one side of the paper.

6. Please don't combine in one letter several items that should go to different addresses.

7. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.

8. Your RCMA membership number and expiration date appear on your newsletter mailing label.

9. You may join or renew your membership for ONLY one year at a time.

10. RCMA accepts paid advertising. For information on advertising rates and mechanical requirements, contact Carol Ruth, RCMA Advertising Manager, P.O. Box 542, Silverado, CA 92676.

RCMA NEWSLETTER

ISSUE 122 APRIL 1986

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CONTACTING RCMA?

Membership applications or renewals, address changes, inquiries about delivery or renewal problems:

Write to: RCMA General Manager
P.O. Box 542
Silverado, CA 92676

Comments or questions about RCMA club policy or newsletter content: Write to: William Mauldin, RCMA General Editor
2268 N. W. 30th Rd.
Boca Raton, FL 33431

Letters for publication in "Your Thoughts" column: Write to: Ginny Slick
1 West Potomac
Williamsport, MD 21795

Correspondence sent to RCMA's Anaheim Post Office Box will still be answered, but there will be a 4-6 week delay.

Testifying before Subcommittee on Courts, Civil Liberties & Administration of Justice Committee on the Judiciary regarding HR-3378, Electronic Communications Privacy Act of 1985 are (left to right): Perry Williams, Washington Coodinator for ARRL; G.A. Kuhnreich, Tandy Corp. VP of Planning & Govt Affairs; Richard T. Colgan, Exec. Secretary of ANARC. See ANARC News, p. 5 in this issue.

The RCMA Newsletter is published by members of the RADIO COMMUNICATIONS MONITORING ASSOCIATION, Inc., P.O. Box 4563, Anaheim CA 92803. Subscription rate/membership fee is $16.50 for U.S. residents. For persons in other countries, the following rates apply: Canada and Mexico—$18.50; Europe—$20.00, South Pacific and Asia—$21.50. These dues are payable in U.S. funds and are subject to change. Information contained herein is obtained primarily from members and does not necessarily present the position or reflect the opinion of RCMA as a whole. The RCMA does not necessarily recommend or endorse products or services advertised herein. The publication is copyrighted ©. Reproduction of any material in this newsletter is prohibited without prior written consent.

CALENDAR

Send notices of upcoming events for the Calender section to:
John R. Clark, 2701 Fairview Road, Costa Mesa, CA 92620
Deadline: 1st of the month two months prior to cover date.

R.C.M.A. Greater L. A. Area Chapter

Contact : Eric J. Christensen (CA-LA-045) KA6IHT 224.66 MZz
P.O. Box 3962 Santa Fe Springs, CA 90670-1962

Saturday 29 March 1986 Tour 12:30 PM *** note 5th Saturday ***

Los Angeles International Airport Tower --park in LAX Tower lot. The tour follows the TRW Amateur Swap Meet which runs 7 AM to 11 AM. The TRW Swap Meet is at Aviation & Marine in Redondo Beach well worth visiting before the tour. You will have time for lunch.

Friday 25 April 1986 Tour 8:00 PM Los Angeles PD Dispatch Center ECCCS

City Hall East 4th floor basement. 200 N. Main Street, Los Angeles Parking is anywhere you can. This tour is one of the best we have.

Saturday 24 May 1986 Tour 11:30 AM *** note 4th Saturday ***

United States Forest Service - South Zone Communications Center 2524 Mulberry, Riverside (S.W. corner of SR 91/SR 60 Freeways) Best exit from SR 60 at first available exit from SR 91 going East, and hook back over SR 91 on Spruce St. This is the home of 415.525 South Zone Dispatch where major fires are coordinated.

R.C.M.A. West Los Angeles Chapter

Contact : Hugh Stegman (CA-LA-472) (213) 473-8333
11622 Exposition Blvd #2, Los Angeles, CA 90064
Amateurs try 146.925 MHz Tue 1930 (PL-2A)

The new West Los Angeles Chapter of RCMA meets on the 2nd Wednesday of every month, at 7:30 PM, at Shakey's on Sepulveda Blvd. and Playa or Jefferson (depends on which way you're going), in Culver City. This is a few blocks north of Fox Hills Mall, and the 405 freeway.

R.C.M.A. Chicago

Contact Edward Robert Sirovy IL-004 312 969 2856
311 S. Williams Street, Westmont, Il 60559

Meetings: Location as of this printing is still not final. Send a SASE to above address for late breaking news. Your help in locating a place would be appreciated. Remaining meeting dates are tentative.

Saturday	March 8	1986	12:30 PM
Saturday	April 19	1986	12:30 PM
Saturday	June 7	1986	12:30 PM
Saturday	August 2	1986	12:30 PM
Sunday	August 17	1986	Field Exercise (Shoe Factory
Saturday	September 27	1986	12:30 PM Woods)
Saturday	November 15	1986	12:30 PM

Visitors are welcome but please confirm the date in advance.

A SASE on file assures notification of tours and other items which may be scheduled on short notice.

R.C.M.A. for D.C., MD, VA, & DE

Contact: Capitol Hill Monitors % Alan Henney (MD 069)
6912 Prince Georges Ave, Takoma Park, MD 20912

R.C.M.A. Minneapolis — St. Paul Area

Contact: Chuck Steier MN-008 (612) 927-9253
4820 Hwy 7, Minneapolis, MN 55416

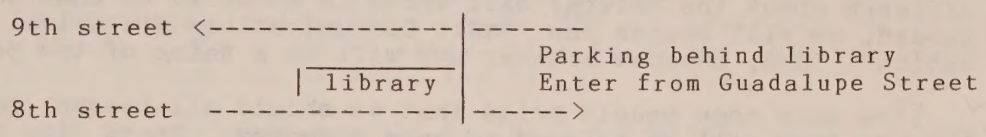
A SASE on file assures notification of chapter activities (tours, gatherings, etc). Non members are welcome to attend.

Southern New England Scanners Club

The Southern New England Scanners Club is currently undergoing a reorganization.

Austin Area Radio Listeners Meeting

Meeting every 2nd Tuesday 6:45 PM Austin Public Library 4th floor room B. For more information, contact Richard Quintanilla TX 043 Austin Radio Club, P.O. Box 5053, Austin TX 78763



All Ohio Scanner Club

Contact : Dave Jones Treasurer or John Thyne Secretary
P.O. Box 148, Vandalia, Ohio 45377

The All Ohio Scanner Club covers the area of Indiana, Kentucky, Michigan, Pennsylvania, West Virginia, and Ontario, Canada. We welcome members from these and other areas who wish to join our club.

Sample Newsletter: $1.00 plus $0.39 stamp. Membership information for a large SASE to the Post Office Box listed above.

To contact David B. Marshall OH-146, Managing Editor and Founder,
50 Villa Road, Springfield, OH 4503-1036

R.C.M.A. Wisconsin

Contact Scott W. Miller WI-039
122 Greenbriar Drive, Sun Prairie, WI 53590

NEED BACK ISSUES OF THE RCMA NEWSLETTER:

Lots (Months/Year)	No. of Issues	Price
Sept 75 — June/July 76 (No Oct. or Nov. Published)	7	$2.00
August — Dec. 76 (No Oct. Published)	4	$3.00
Jan. — June 77	6	$4.00
July — Dec. 77	6	$4.00
Jan. — June 78	6	$5.00
July — Dec. 78	6	$5.00
Jan. — June 79	6	$6.00
July — Dec. 79	6	$7.00

1980—to date issues are available at $1.50 per copy

Order Total	Include This Amount of Postage
$ 1.50 — $ 5	$1.20
$ 5.50 — $10	$2.25
$10.50 — $15	#3.30
$15.50 — $25	$4.15
$25.50 — $35	$5.50
Over $35	$7.00

Send your request & check/M.O. (payable to RCMA) to:
RCMA General Manager
P.O. Box 542
Silverado, CA 92676

your thoughts

Ginny Slick, Assistant Editor
1 West Potomac, Williamsport, MD 21795

To the Editor:

Reference the December RCMA and the letter from Steve Jester in the February issue: I second the motion that the December was about worthless. I am looking forward to the New Product Review. This has long been needed.

Ed Von Nordeck (CAR1013)

To the Editor:

During the past year I have seen a general improvement in the quality of the newsletter. I encourage all involved to keep up the good work. The new cover format is "great." Please tell me how the RCMA officers ore chosen and when.

I am alarmed by the "care-less" attitude by the membership and officers about the Federal bill which is about to be enacted. If passed, we will become the "Radio Communications Historical Association", RCHA, because scanner use will be a thing of the past.

I've seen some people write that we should all become 'hams', because they will be allowed to have scanners. Thats like saying we should all be auto mechanics if we want to drive a car. I wrote to my Congressman and both Senators. Who did you write to, Mr. Scanner Buff?

John Henry Hart (PA-019)

To the Editor:

The Editor informed me by postcard that a previous "Your Thoughts" I sent in would appear in the February Newsletter, so as I write this (1/14/86), I must assume that you who are reading this will have seen my previous thought.

The chickens have come home to roost, in the form of S. 1667/ H.R.3378 which unlike most other ANARC clubs, has RCMA in direct danger of extinction. I said before that the California legislation would have national ramifications; now the federal government,which can act on radio legislation, is in the act.

Well, they caught us off guard. By the time you read this it might be too late to act (one of the problems with these publication delays). Be assured that at least I wrote to my Congressmen (Senators D'Amato and Moynihan and Representative Manton), I wrote to the six other clubs that I belong to, and I wrote to ANARC. As I write this, it is time for concerted action, and I'm doing my best to get it. I only hope that I was not the only one to write furiously this week.

By the way, for a lesson in what concerted action did in a rather similar situation, I reccommend Clinton B. de Soto's 200 Meters and Down, pp 51-59 (also found in Fifty years of ARRL; pp 19, 35-26) If this bill passes, we may face many more such situations. It would be wise to take lessons to heart NOW.

As Hugh Stegman says, "Unity or stamp collecting." I hate stamp collecting.

Sincerely,
Richard E. Berg-Andersson
NY-319

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS
NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below.

Write to Joe Barr, 1500 Bunbury Dr., Whittier, CA 90601, for the following:
Copy of ANARC Club List — Sent 25¢ and an SASE (business size)
Sample Copy of ANARC Newsletter — Send 60¢ and an SASE (business size)
Annual Subscription to ANARC Newsletter — $7.50 for residents of U.S., Canada, and Mexico; $10 Overseas (Airmail)

ANARC 1986 Convention will be held July 18-20 in Montreal, Quebec, Canada,

Registration details from Ian McFarland, Radio Canada International, P.O. Box 6000, Montreal, Quebec H3C 3A8 Canada

Century Print Shop, 6059 Essex St, Riverside, CA 92504-1599 has back copies of World Radio TV Handbook. From 1981 through 1985 are available for $12.00 each or two for $20.00. Mix or match years, plus $1.00 per book for shipping. California residents please add 6% sales tax for all orders.

New Zeland DX Times is published monthly by The New Zealand Radio DX League. Active branches meet in Auckland, New Plymouth, Wellington, Christchurch, Invercargill, and Oamaru. President is Arthur Cushen. Editor is Michael G. Pollard. Articles cover Shortwave, SWL-QSL, FM-TV, and medium-wave DX. The publication is 28 pages. Sample copy is three I.R.C. by writing N.Z.R.DX.L., P.O. Box 1313, Invercargill, New Zealand,

ANARC Testifies On HR-3378

by Robert Horvitz (CT-048)

Terry Colgan, ANARC's executive secretary, appeared before the House Subcommittee on Courts, Civil Liberties and the Administration of Justice, on 30 January 1986. The subject of the hearings was HR-3378: The Electronic Communications Privacy Act.

Much has been written about this bill recently. Rightly so: it would make it illegal to "intercept" most types of "electronic communication" - except for those that are "readily accessible to the public". The exact interpretation of the language in quotes is crucial, so Terry began by saying, "we have serious concerns about the vague and overly broad language used in parts of the bill... Most of our concern stems from the uncertain meaning of 'readily accessible to the public.'"

To clarify that term, he proposed that the bill be amended to read: "any electronic communication which 1) is transmitted in an unscrambled or unencrypted manner, and 2) shares a common type of modulation with other signals, and 3) has a wide coverage area so as to be receivable in populated areas, is considered to be 'readily accessible to the public'."

Arguing that this is the most realistic interpretation of the phrase, whether or not it's written into law, he went on to say, "we regard listening to land, maritime and aeronautical communications, and shortwave fixed stations as lawful under HR-3378. If our interpretation is not what the bill intends, it should be amended so that it will not be unlawful to intercept an electronic communication.../that is/ unscrambled or unencrypted...

"HR-3378 seeks to transfer the responsibility for communications privacy from the system provider or user, to the general public. Since most land mobile services do not take even minimal precautions against interception of their transmissions, we believe they do not regard the privacy matter as a serious one. We feel that if Congress wishes to extend privacy protection to land mobile or other radio services which have not generally had the expectation of such privacy, they should use the presence or absence of encryption as a test of whether the system provider or user expect that privacy. The use of clear voice, rather than encrypted voice, is the difference between sending a postcard, and sending a sealed letter."

Terry then played a short tape recording I had made, of simple voice inversion, the lowest level scrambling, and of DVP, as used by federal agencies in DC. He showed the Subcommittee samples of a $5 integrated circuit made by Standard Microsystems that offers full-duplex voice inversion, as well as 3 of Advanced Micro Device's DES encryption chips (about $40 each in large orders). Mike Peyton obtained the samples for ANARC.

We were prepared to play a tape of cellular phonecalls monitored on an $80 television set, to show that such calls were among the most readily accessible signals in the spectrum, but we could not get assurance that this demonstration would not be considered an "intercept". Perry Williams, who testified on behalf of the ARRL, made the point nonetheless, explaining that any TV that can tune in channels 80-83 (and there are tens of millions of them), can intercept nearby cellular phonecalls.

The first half of the hearing consisted of AT&T and Southwestern Bell representatives speaking in support of the bill. Although it was barely alluded to in their oral testimony, AT&T proposed in their written statement that the term "intercept" (which HR-3378 defines as acquiring the content of a communication) be replaced by "a series of words that would include, as a minimum: acquisition, reception, recording and copying." Alternatively, they "recommend that the definition of 'intercept' be reworded to include the interception of any portion of a communication", not just the content. In other words, mere reception would be made unlawful by their proposed changes.

The fact that the phone companies support this bill indicates that they do not consider cellular phonecalls to be "readily accessible to the public." The information provided by ANARC and ARRL at the hearing may well cause them to review their position - though it would be naive to think they would change their goals simply because some inconvenient facts were revealed.

A revised draft of the Electronic Communications Privacy Act is expected to be made public early in March, with another hearing likely in April. The Justice Department is expected to testify then.

Last November, the Justice Department told the Senate Subcommittee handling S-1667 (the Senate equivalent of HR-3378) that they had "not yet formulated a policy on whether only a digitized or otherwise encrypted conversation should be subject to the protection of the statute. It could be argued that the additional protection for the call by digitizing or otherwise encrypting it would evince a clear intent that there is a reasonable expectation of privacy. In this scenario, the citizen who either voluntarily or involuntarily intercepts the analog call would be free of criminal or civil liability. Obviously, so too should law enforcement personnel. These are questions that have to be looked at carefully before definitive recommendations can be made..."

Their definitive recommendations are likely to be made at the House Subcommittee hearing in April.

ANARC is following up its testimony with additional written comments, responding to comments made by others on the public record, and answering certain questions raised during the hearing. Mail from the radio-knowledgable community opposing HR-3378, and ANARC's and ARRL's in-person presentation, have made it clear to the Subcommittee that there are legitimate issues of spectrum rights at stake - issues that they had not considered in drafting the bill. Until the new draft comes out, we can't tell what kind of impact we've had on their thinking, but it has at least been enough to elicit these comments from Subcommittee Chairman Robert Kastenmeier, as he brought the January hearing to a close:

"We certainly recognize the communications policy needs of radio operators and listeners. As a matter of fact...the legislation itself attempts to state that it's not unlawful to do a number of things, including intercepting electronic communications transmitted by a station for use by the general public, which relates to ships, aircraft, vehicles, persons in distress, or by a walkie-talkie, or a police or a fire communications system, etc., etc., or by an amateur radio station operator, or by a Citizens Band radio operator, etc. Now, we may not have anticipated all the exclusions, nor have drawn it up, from a policy standpoint, as precisely as we need to, or would wish. That is one reason why we welcome testimony...

"Mr. Colgan suggested that maybe we need to have a special section about the manufacture of all this equipment in there. /ANARC proposed to amend the bill "to state that it would not be unlawful to manufacture, sell, purchase, possess or use any type of radio communications receiver for non-criminal purposes"./ We frankly did not think that would be necessary. We think that's implicit, but we'll certainly consider /your suggestion/. It was not our intention to make unlawful the manufacture of any such equipment."

A fact-sheet about the Electronic Communications Privacy Act of 1985, and a list of Congressional addresses, is available. To receive a copy, send a stamped, self-addressed envelope, plus a mint 22¢ stamp, to: ANARC, Post Office Box 180403, Austin, TX 78718-0403.

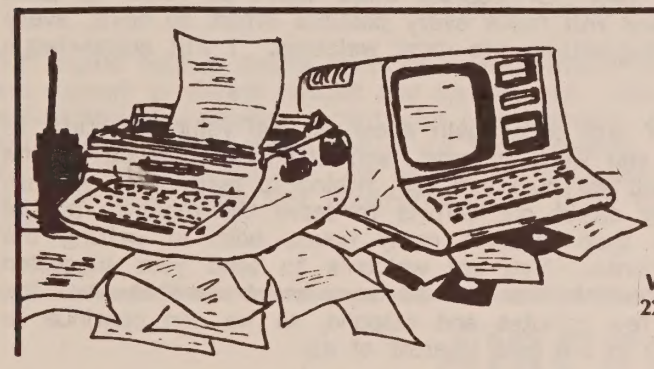
We encourage you to write to the members of the House and Senate Judiciary Committees about this bill - though until we see the new draft, we cannot recommend a particular position. Some legislation extending privacy protection to new forms of "electronic communication" that aren't covered by existing statutes is inevitable. So opposition to this particular draft must be complemented by positive suggestions as to what the public policy in this area should be. Congress feels it must act, and act soon.

ANARC's position thus far is to affirm traditional and present FCC policy, which, as Terry noted in his oral presentation, is summed up in this statement by the Commission:

"It has long been the Commission's view that the initial responsibility for signal protection should be on the signal originator, who is in the best position to protect the signal against unauthorized interception and use."

We say that the law can and should reinforce the privacy protection offered by the communications provider, not be a substitute for such protection. Relying primarily on stiff legal penalties may actually hinder the development of more reliable technical methods of privacy protection, as would be expected to evolve as a result of consumer demand and market competition, without Congress doing anything.

Evidence that such an evolution is already taking place is important to our case. We would appreciate receiving any product information about low-cost scrambling and encryption devices or techniques that are usable in radio systems. Please send any such material, as well as other suggestions to: Robert Horvitz, ANARC Government Affairs Liaison, 1634 15th St. NW, Washington, DC 20009. Your support can make a difference. For monitors, it is truly "speak now or forever hold your peace."



From The CAPTAIN'S DESK

William Mauldin, RCMA General Editor
2268 N.W. 30th Rd., Boca Raton, FL 33431

COMMUNICATIONS PRIVACY ACT OF 1985

The ELECTRONIC COMMUNICATIONS PRIVACY ACT OF 1985 continues to be the topic of conversation in most communications related magazines, newspapers and other industry related publications. As this edition of the NEWSLETTER reaches you, time will be running out for you to express your views to the representatives in Washington regarding these pending Bills. It is so important to RCMA for you to be kept informed that we have appointed one of our editors to work on this project directly. Kurt Swaney has spent many hours in dealing with this matter, and if you will review your past few issues, you can see how important this law is to anyone who enjoys monitoring. Since Kurt is doing such an excellect job covering this subject, I will not devote more space in this column to update you. Kurt will certainly keep you advised on what is happening and what you can expect should the bill(s) become law, amended or as is.

We wish to thank Richard T. Colgan, Executive Secretary of the Association of North American Radio Clubs for his effort and statement before the Subcommittee on Courts, Civil Liberties and the Administration of Justice, Committee on Judiciary, United States House of Representatives concerning the House Bill, H.R. 3378, Electronic Communications Privacy Act of 1985. Mr. Colgan appeared in January 30, 1986, as the ANARC representive, expressing his comments as related to ARANC.

If you have any questions, comments, information or other related material on this pending law, I urge you to communicate directly with Kurt Swaney, RCMA, Post Office Box 1198, Manhattan Beach, CA 90266. Kurt is directing the RCMA effort on this matter. If you write and request a reply, remember to send the usual stamped, self

addressed envelope. Do not send your information to me, as I will just have to forward it on to Kurt, and this will delay your input.

As a final closing comment, if it is not too late by the time this edition of the NEWSLETTER reaches you, I urge you to write both your House and Senate representatives regarding this pending law! Understand the Bill(s), and write as soon as possible, expressing your views to your representatives. Believe me, this is a very important matter, and the outcome will certainly be with us for many years to come in one form or another, if amended. If you don't write, then you have no one to blame but yourself.

THE 1986 RCMA GENERAL MEMBER SURVEY - COMING SOON

As you may remember, we published a General Member Survey last year. As a direct result of that survey, many things were changed within the club and within the RCMA NEWSLETTER. For example, we now have columns devoted to NEW PRODUCT REVIEW, AMATEUR RADIO, NEWS MEDIA and MONITORING AND THE LAW. BUSINESS was split into EAST and WEST. The cover of our NEWSLETTER has been changed, and in the place of the drawing which was on the cover for many years, you now have photos related to subjects of interest. We are looking better and covering more subjects.

The 1986 GENERAL MEMBER SURVEY will be printed in mid-summer. This is your chance to vote on what you want to see, what you want to change, and voice your comments for our 1987 efforts. Trying to write a four page, pull out centerfold survey is a major effort in itself, especially when the answers are going to be entered into a computer for easy review. We will start working on the questions and the SURVEY form sometime this month, and the actual SURVEY will appear in a few months. I would like to ask for your input both on the questions and subjects to be asked, and, of course, we want your input and response when the SURVEY is printed!

If you have any pet subjects that you would like mentioned in the 1986 SURVEY, drop me a note with a suggested question or two. Of course, there won't be room to print questions on every subject, however, we will make every possible effort to cover every reasonable member interest, and your suggestions are most welcome. I will acknowledge your input with a postal card.

The 1986 GENERAL MEMBER SURVEY will once again allow us, the volunteer staff, to find out what you are reading, what you want to read, and offer us guidance on the direction of the club for 1987. We will ask questions too, hoping to learn what you are listening to and what with, so we may direct our efforts to serve the majority of the club membership. A survey of this type involves many hours, both in writing the questions as well as totaling the response. You are welcome to send your suggested questions and suggested subjects to me within the next 30 days, and I ask that when the SURVEY is printed, that you take a few minutes and respond, so we can continue to improve the club and the NEWSLETTER in the best interest of all.

NEW PUBLICATIONS AND DIRECTORIES

Scanner Master Corporation of Newton Highlands, MA has released two new SCANNER MASTER GUIDES this month. These will certainly be of interest to those of you in the New York Metro, New Jersey and Philadelphia areas!

First, the SCANNER MASTER GUIDE for New York Metro and Northern New Jersey, second edition, edited by Warren M. Silverman offers 247 pages of codes, maps, descriptions of state, county, local and interstate networks. A total of 25 Metro counties are covered in detail, with special sections on news media, airports, trunked and cellular data, Wall Street communications, malls, stores, sports, stadiums, hotels, business, police and fire. The NYPD is broken down in detail, and codes for the police, fire and other authorities are printed in great detail along with car IDs and unit numbers. This is a very detailed book for anyone wanting to monitor Metro NY ands NJ!

Next, the SCANNER MASTER GUIDE for Southern New Jersey and Philadelphia, second edition, edited by Chuck Gysi, has been revised and offers 155 pages of data on all of the activity in the Southern New Jersey, Philadelphia, Atlantic City area! The police and fire of the cities, counties, and states are again broken down in great detail. Codes, frequencies, unit numbers, locations and so on are all there. Anyone wanting to monitor this area would be well served with this handy publication. The detailed coverage on the Philadelphia Fire and Police is excellent, and there is a very interesting section which offers complete details on the New Jersey State Police system.

The NY Metro Edition carries a retail price of $12.95. The Southern NJ and Philadelphia Metro edition is $14.95. Further information on either publication is available from the publisher, Scanner Master Publishing Company, Post Office Box 428, Newtow Highlands, MA 02161.

We thank the publishers of these publications for making their products available to RCMA for announcement and publication review! We will always attempt to let our members know of what is available on the communications bookshelf, and we encourage publishers to let us know what they are producing, and we do hope they will consider advertising with us!

PUBLIC SAFETY SOUTHEAST EDITOR ANNOUNCEMENT

We have an opening for the position of Editor of PUBLIC SAFETY SOUTHEAST. John Dorsey, the present editor, has advised that due to more pressing duties in his rescue squad profession, he must give up the Editor position.

If you are interested in the volunteer position of Editor, PUBLIC SAFETY SOUTHEAST, I would like to hear from you. It is important that you write me on the typewriter or computer word processing printer that you will be using to write the column. In your letter of application, tell me about yourself, your interest in the subject of Public Safety in the southeastern United States, and your ideas for the column.

If selected, you will be expected to write four to five pages each month on this subject. All material must be camera ready text, and ready to print. I will acknowledge each application and inform all applicants when the editor is selected. Being an Editor is hard work, and requires many volunteer hours, however, you get to work with some super people! I look forward to hearing from all interested applicants!

CLOSING COMMENTS

Our unpaid editors devote many hours each month to their columns. Your continued input and support is always needed and appreciated. Always remember to enclose a stamped, self-addressed envelope or card with your material, questions or comments for response. It may seem like a small gesture to you, however, it really helps the editor or staff member when responding. All on the RCMA staff are volunteers, and their many hours of work have made this publication what it is today. We need and appreciate your support!

AIRCRAFT

Send private, commerical, firefighting and law enforcement aircraft frequencies of interest in the 108-136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft plus questions, articles and tips related to aircraft monitoring to:

Darrel Charest, 1913F Oak Creek Lane, Bedford, TX 76022

Travel time again. Most of the past month has been spent in getting the travel trailer and tow car in shape for what has become the annual pilgramage to points west - N.M., Arizona and California. During our travels we've always found interesting activity in the aircraft bands, but as an avid listener in the public service area the activity has been dissapointing. By now I've come to the realization that better results would come with some advanced planning.

Many of you took the time to write or call during the past month, so before our allotted space is taken in personal comments and war stories lets get on with the business at hand.

John M. Coker, IL-010, sent an article that appeared in the Washington Post on 12/15/85 related to the establishment of radar service areas in the Baltimore-Washington area. The radar service area is similar in many respects to the TCA (Terminal Control Area) in that all traffic is controlled. The major benefit to aircraft operating in these areas is improved safety from a marked reduction in mid-air or near mid-air collisions. The disadvantages of flying in a controlled environment are delays, off course routings and loss of freedom to fly where and when you want. In the past TCAs have been placed around

high activity airports in major metropolitan areas. Radar service areas, however, will be placed about many more airports in the future. Where TCAs now number in the 20s, I would expect RSAs to number in the 100s.

Bruce Portzer, from the Seattle area, forwarded information on air-to-ground telephone service available through Pacific Northwest Bell telephone for the Washington-Oregon area. The radio channels to be used in this service are just above those now used by Bell Telephone in the mobile telephone business. It would be interesting to know just how much this air-ground telephone service costs.

Bill Tobin, NM-015, a regular contributor from Albuquerque, provided us with a detailed report of weather terminology. I had hoped to be able to run it without editing, but space limitations will not permit us to do so. As a forecaster with the National Weather Service, Bill is able to provide us with timely information on weather and its application in flying.

Landon Davis, from Wash. D.C. area, forwarded an excellent listing of radio channels in his area. The list comes from a computer printout and is in an excellent format. Not only does it provide the normal air traffic control frequencies, but also includes Gate Operations, Maintenance, Operations and Center. A second page includes public service channels for the area and these have been forwarded to our General Editor for later publication in the Public Safety NE column.

John Gerler, GA-061, called again to see if I could monitor him on 130.45, one of Eastern Airlines communications channels remoted to the Dallas-Ft Worth area. Since I had listened to the frequency before, I felt sure I could hear both sides of the conversation. John is a radio operator with Eastern Airlines and a regular listener to the aircraft spectrum.

David Gust, CATE-001, wrote twice to provide us with active frequencies, one letter covered activity at his home station in Redding, Calif. the other was a listing of center and airline channels that appear at the end of the column.

Brad Carpenter, OH-138, visited once and called several times to discuss some interesting channels in the Dallas/Ft Worth area. Those of you who read the Public Safety South Central column will recognize Brad as a regular contributor to the magazine. If I were asked to choose an authority on all aspects of radio monitoring in the DFS area, I would place my money on Brad. He seems to me to be a walking computer totally devoted to radio monitoring, and has been a big help to me over the past several years.

Mark Abramowitz, an RCMA member from Crowley, called to get more information on the Yaesu FRG-9600 receiver. Mark seemed especially interested in the video output of the receiver and its ability to access local cable systems. The computer and video terminals on the receiver are two that I do not have any experience, so I wasn't much help to Mark.

Kevin Bathrick, NY-314, submitted a comprehensive list of frequencies for the Northeastern U.S. Some of these have appeared in recent issues and more will be published later.

Gary Thomas, Tigerton, Wis., another regular contributor has provided extensive frequencies from his area and we still have several pages to include in later issues.

From David Gust

Oakland Center
132.95
132.05
134.375
125.85
124.2
132.95

Stockton Airport

ATIS	118.25
Twr	120.3
AC	127.75
AC	125.1

Alaska Airlines
129.925
130.75
131.2

United Airlines
131.525
129.3
131.4

Redding Municipal

ATIS	124.1
Twr	119.8
Gnd	121.7
AC/DC	124.0

Western Comm.
130.25

Air Tankers
151.295

American Airlines
129.2

Air California
130.15

Waco, Texas

ATIS	None
Twr	119.9
Gnd	121.9
AC/DC	125.4
AC	119.3

From Gary Thomas

Amery Municipal
CTAF 122.9

Barron Municipal
CTAF 122.8

Taga-Long (Birchwood)
CTAF 122.9

Boyceville Municipal
CTAF 122.8

Cable Union
CTAF 122.8

Cheter Muni-Southworth
CTAF 122.9

Blackhawk Field
CTAF 122.9

Cumberlund Municipal
CTAF 122.8

Eau Claire Lakes
CTAF 122.9

East Troy Municipal
CTAF 122.8

Ephraim-Fish Creek
CTAF 122.8

Hunt Field (Franksville)
CTAF 122.9

Glidden Municipal
CTAF 122.9

Langlade County
CTAF 122.8

Turtle (Beloit)
CTAF 122.9

Bloomer Municipal
CTAF 122.9

Brodhead
CTAF 122.9

Camp Lake
CTAF 122.9

Cornell Municipal
CTAF 122.9

Crandon Municipal
CTAF 122.9

Lake Lawn (Delvavn)
CTAF 122.8

Durand Municipal
CTAF 122.8

Tobacco City (Edgerton)
CTAF 122.9

Fort Atkinson Municipal
CTAF 122.9

Adams Co. Legion Field
CTAF 122.9

Grantsburg Municipal
CTAF 122.9

J. F. Kennedy Memorial
CTAF 122.8

Berlin Field
CTAF 122.9

Boulder Junction
CTAF 122.9

Capitol (Brookfield)
CTAF 122.7

Cassville Municipal
CTAF 122.9

Cornucopia Field
CTAF 122.9

Crivitz Municipal
CTAF 122.8

Dodgeville Municipal
CTAF 122.8

Eagle River Union
CTAF 122.8

Leroy Municipal
CTAF 122.9

Rainbow (Franklin)
CTAF 122.8

Vincent (Genoa City)
CTAF 122.8

Austin Staubel (Grbay)
CTAF 118.7

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From Landon Davis (note different format)

	National	DAV*	Andrews	Dulles	Bal-Wash.
Tower	119.1 120.75	126.3	118.4	120.1	119.4
Ground	121.7 121.05	121.9	121.8	121.9	121.9
Clearance	128.25		127.55	127.35	126.75 128.5
Departure	118.1 126.55 125.65	118.1	118.1 126.55 125.65		
Arrival	119.85 124.7 124.2 124.0 118.3	119.85 124.7	119.85 124.0 118.3		
Arr/Dep				125.05 120.45 126.65 126.1	119.0 119.7 120.65 125.3
Radar	119.95 118.85 128.35	119.95 118.85	128.35 125.35	119.2 125.5 127.9	124.55
ATIS	132.65			134.85	127.8
AWRS	128.8				
Unicom	123.05 122.95		 122.85	123.0 122.95	
FSS	122.6				
Gate			130.65	409.3 430.9	
Center	134.3 123.35 133.65 120.725			134.3 118.75 124.25 125.3	

*No location identifier could be found for DAV. The only location that seems logical is Camp David, but this is only a guess. Just read further and found DAV is Davidson Army Airfield at Ft Belvoir.

Landon also reported that 122.75 is the frequency to monitor for road and traffic information. Its used in the DC area and in many others by helicopter traffic reporters as well as others such as the police copters. I find the same is true here in the Dallas/Ft Worth metroplex.

The following is a portion of the information provided by Bill Tobin.

Sigmet - Significant Meteorological Information

A weather advisory issued concerning weather significant to the safety of all aircraft. Sigmet advisories cover severe and extreme turbulence, severe icing, and widespread dust or sandstorms reducing visibility to less than 3 miles.

Convective Sigmet

A weather advisory concerning convective weather significant to the safety of all aircraft. Convective Sigmets are issued for tornadoes, lines of thunderstorms, embedded thunderstorms of any intensity level, areas of thunderstorms of "very heavy" or greater intensity level with an area coverage of 40% or more, and hail 3/4 inch or greater. An embedded thunderstorm is one which is embedded in other clouds or rain and which a pilot or ground observer cannot see visually. Embedded thunderstorms can only be detected by radar.

Airmet - Airman's Meteorological Information

This is issued only to revise the Area Forecast concerning weather which is of operational interest to all aircraft and potentially hazardous to aircraft having limited capability because of lack of equipment, instrumentation, or pilot qualifications. Airmets cover moderate icing, moderate turbulence, sustained winds of 30 knots or more at the surface, widespread areas of ceilings less than 1000 feet and/or visiblity less than 3 miles and extensive mountain obscurement.

Radar Reports

Describe the location, size, intensity, and movement of precipitation areas as observed by ground radar. Individual radar reports are composited into radar maps as seen on TV.

Pilot Weather Reports

Are weather observations from pilots in flight. They are used to tell other pilots about inflight conditions and they are used by meteorologists during forecast preparation. Pilot Reports contain information about the location and time of the observation, the type of aircraft and its altitude, the cloud coverage and hight mean sea level, the flight visibility and weather conditions, the air temperature in Celsius, the wind direction (magnetic) and speed (knots), turbulence intensity, icing intensity and other remarks.

The information should be helpful in aircraft monitoring by providing a better understanding of weather terminology.

From Bruce Portzer WA-016

Air-to-Ground Telephone Service (Pacific NW Bell)

Service Area	Channel
Seattle, WA	1
Spokane, WA	6
Klamath Falls, OR	12
Pendleton, OR	8
Salem, OR	3

Channel NBR	Ground Frequency (MHz)	Airborne Frequency (MHz)
1	454.950	459.950
2	454.900	459.900
3	454.850	459.850
4	454.800	459.800
5	454.750	459.750
6	454.700	459.700
7	454.725	454.725
8	454.755	459.755
9	454.825	459/825
10	454.875	459/875
11	454.925	459.925
12	454.975	459.975

AMATEUR RADIO COMMUNICATIONS

This column is for reporting on amateur radio activities that may be of interest to scanner listeners. Send reports and questions concerning repeater nets, civil emergency systems, packet ratio, amateur TV, etc., to:

Terry Stader, MI-062, 8 Christopher Road, Westford, MA 01886

GREETINGS....

Its hard to beleive as I am writing this column, that Spring, hopefully is right around the corner. Listening to the scanner at the moment indicates that the State Police here in Massachusetts wish it would get here soon. Its snowing and DPW's have been out since 6AM this morning. Therefore there are numerous accidents and spinouts all over the area.

Last month I talked about the bands in general, what are the frequency ranges, etc. This month I would like to talk a little about the classes of Amateur Radio licenses and what frequencies they are allowed to operate in.

There are 5 classes of licenses issued with in the United States; Novice, Technician, General, Advanced and Extra.

Novice and Technician license holders are allowed CW operation only below 50 Mhz and have restricted operation within these CW bands. A Novice is required to pass an exam in radio theory and a 5 word per minute receive code test. The upgrade from Novice to Technician requires passing another radio theory section.

A Technician class license holder is able to upgrade to General upon passing a 13 WPM code test, then advancing to Advanced upon successfull passing of another electronics theory test. To be upgraded to Extra, a candidate would have to pass an additional theory and code proficency at 21 WPM.

Each upgrade after the Technician level gives you additional privilages in the bands below 50 Mhz. All of the license holders, Technician and above have the same opertating privilages above 50 Mhz.

There has been much discussion lately about how Novices who do not upgrade are lost to the hobby. To try and avoid this, there are several proposals that would essentially give the Novice more privilages. Thus giving him the incentive to stay with Amateur Radio by putting him into the "mainstream" of the action. There are some very interesting statistics as to the average ages of hams and how we are not getting any young newcomers to the hobby. Some people think that the Morse Code is the biggest stumbling block as entrance to the hobby. Get rid if Morse Code and you will get the bright young experimeters who will determine the road ham radio is going.

Now about the frequencies hams use. As a general rule, the lower frequencies are good at night, whereas the higher frequencies are good during the day. The sunspot cycle is pretty low at the moment so generally there is no real good DX right now. That doesn't mean that you couldn't tune up something in the 20 Meter band in the middle of the afternoon and hear Spain or Portugual as I did the other day. Band conditions vary at times from one end of the band to the other.

A very good sign of how the band conditions may be is to tune up to one of the time signals. As you may recall, WWV from Ft. Collins, Colorado transmitts time signals on 2.5, 5, 10 and 15 Mhz. You can also try CHU Canada on 3.3, 7.335 and 14.670 Mhz . These stations will give you an indication of general band conditions and can be heard throughout North America.

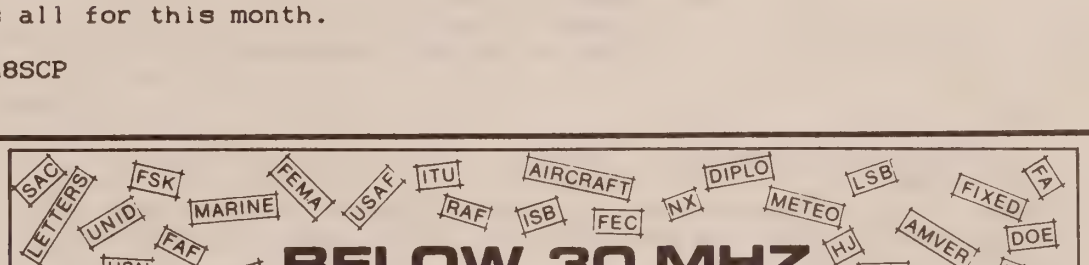
Below is a chart of where each class of license is allowed to operate and in what modes. Keep in mind that this is what is allowed for U.S. Amateur Radio Operators. Some additional frequencies are

used by other the foriegn hams and you may also hear our MARS(Military Affiliated Radio Services) operations on frequencies just outside of the regular bands. More on MARS at a later date.

Band	Freq(Mhz)	Class of License	Operation allowed
160m	1.8-2.0Mhz	General, Advanced and Extra	CW and Voice only
75/80m	3.5- 3.525	Extra	CW and FSK
75/80m	3.525-3.750	General, Advanced and Extra	CW and FSK
75/80m	3.7- 3.750	Novice and Technician	CW only
75/80m	3.750-3.775	Extra	Voice,CW,SSTV,FAX
75/80m	3.775-3.850	Extra and Advanced	Voice,CW,SSTV,FAX
75/80m	3.850-4.0	General, Advanced and Extra	Voice,CW,SSTV,FAX
40m	7.0- 7.025	Extra	CW and FSK
40m	7.025-7.150	General, Advanced and Extra	CW and FSK
40m	7.1- 7.150	Novice and Technician	CW only
40m	7.150-7.225	Extra and Advanced	Voice,CW,SSTV,FAX
40m	7.225-7.300	General, Advanced and Extra	Voice,CW,SSTV,FAX
30m	10.1-10.109	General, Advanced and Extra	CW and FSK
30m	10.115-10.150	General, Advanced and Extra	CW and FSK
20m	14.0- 14.025	Extra	CW and FSK
20m	14.025-14.150	General, Advanced and Extra	CW and FSK
20m	14.150-14.175	Extra	Voice,CW,SSTV,FAX
20m	14.175-14.225	Extra nad Advanced	Voice,CW,SSTV,FAX
20m	14.225-14.350	General, Advanced and Extra	Voice,CW,SSTV,FAX
15m	21.0- 21.025	Extra	CW and FSK
15m	21.025-21.2	General, Advanced and Extra	CW and FSK
15m	21.1- 21.2	Novice and Technician	CW only
15m	21.2- 21.225	Extra	Voice,CW,SSTV,FAX
15m	21.225-21.3	Extra and Advanced	Voice,CW,SSTV,FAX
15m	21.3- 21.450	General, Advanced and Extra	Voice,CW,SSTV,FAX
10m	28.0-28.3	General, Advanced and Extra	CW and FSK
10m	28.1-28.2	Novice and Technician	CW only
10m	28.3-29.5	General, Advanced and Extra	Voice,CW,SSTV,FAX
10m	29.5-29.7	General, Advanced and Extra	Voice(AM & FM),CW, SSTV, FAX

Thats all for this month.

de KA8SCP



This column is for HF AM, CW, SSB, RTTY and FAX reception reports, note, articles, and questions related to HF utilities. Services covered in this column include aeronautical, coastal/marine, weather, government, military and 'spy' stations — essentially everything except broadcasting, CB and amateur radio.

Send reports to: Geoff Halligey, 85 Southwood Road, Cottingham, England, HU16 5AJ.

INMARSAT

Aircraft satellite communications have moved a step nearer, says 'Communication News' in their Dec. '85 issue. The 44 nations that form the Inmarsat Assembly of Parties have agreed to allow aeronautical services to participate, it is hoped by 1987.

In three years the number of vessels, oil rigs and other units using the satellite system has grown from about 1,000 to 4,000. Two Marecs satellites, leased from the European Space Agency; four maritime communications sub-systems aboard Intelsat satellites and a Marisat satellite leased from Comsat make up the Inmarsat system. These satellites operate in the L-band, adjacent to frequencies in use for the aeronautical mobile satellite service.

Thanks to Bob Horvitz for this information.

THE SPY

My 11510 kHz friend, reported in the last issue, still comes up at 0845 UTC daily. His callsign changes daily, recently we have had DOY, BRD, KOM, QRJ, GRD, KUR, ZFT, GJK, Q4E, F5S, DPR, JDA, LYZ, RGD, XAS, YSM, RFG, 1SD - he clearly has a liking for the letters D, G and R. One or twice he has used the same call a second time.

On 31st December he added to his usual short chat 'FOR NEW YEAR 1986 ONLY HAPPY AND GOOD LUCK'; while on New Year's Day he sent 'FOR ALL OP FM UR WE WISH YOU A HAPPY NEW YEAR'. (Note the UR in this msg and the KUR callsign). Spies shouldn't chat ! Otherwise it has been the usual 'QSA4 QRU NIL GB 73/88 $\overline{VA}$'.

BOOK LIST

'Secret War' by Pierre Lorain (adapted by David Kahn), Orbis Press, 1983 ; ISBN 0-85613-586-0.

This book gives a detailed account of the radio systems used by the SOE (Special Operations Executive) and the French resistance in communicating with the UK and between themselves. Codes, callsigns, transmitter diagrams, receivers with photos and circuits are all covered. The UK base stations are listed.

The German D/F network is also described with details of how they operated and their panoramic receivers. The S-phone (UHF talkdown) and the use of Rebecca and Eureks beacons are all given space.

CHANNEL MARKERS

Only two new ones to report this month, both heard in Cottingham:

6708	CW	PPP	very rough note	1434 UTC
11516	CW	AAA	sometimes weak, sometimes strong, but always in parallel with AAA on 5758, seems to be on continuously.	

RTTY

Orman (WA...) has sent a couple of good photos to illustrate what RTTY reception is like at Bellingham, WA. Orman uses an AEA CP-1 demodulator (with which he is very pleased) hooked to a Panasonic RF-3100 with SWL text in a Commodore 64, thence into an inexpensive Zenith 13 in TV.

Almost at once he acquired many CW and RTTY signals. The two pix that he sent clearly show:

1. 14088 kHz - part of a long list of Colombian earthquake survivors broadcast by W1MAN - 0835 UTC 11th November

2. 14902 kHz - TASS news bulletin from CLN451, Havana, Cuba, 2102 UTC December 1st.

Nice work, Orman!

OTH - AUSTRALIA

An experimental OTH radar syatem has been undergoing trials for several years at Alice Springs, Central Australia, says the London 'Times'. The system, known as Jindalee, is intended to plug an enormous gap in Australia's defences - the surveillance of the vast northern coastline.

Developed locally from initial U.S. expertise, the experimental stage has been extremely successful and it will become fully operational this year. Because of its location, it picks up a clearer signal than comparable U.S. or Soviet systems in the northern hemisphere.

THIS MONTH'S LOG

All contributions are from Cottingham: all times UTC.

6336.7	CW	ZRH	Cape Fiskanteral, RSA 2353
7926.0	CW	EBB	El Ferrol del Caudillo, Spain. Nav. warnings 1050 daily. The transmitter has a bubbly note and is very unstable; it drifted up to 7930 during one xmission.
9980.0	CW	LCJ	Rogaland, Norway - Norsk Radiopresse in // with LHG 14445 and LFX 16928.4. 1100 daily.
10478.0	USB	DZ	USAF 0900
11250.0	CW	SWIQ	unknown, clg LTKI5, 1020
11390.0	CW	UCZ	Providenia Bukhta, USSR. Wx bcasts at H+20, 50. Heard at 1220, 1250, 1320, 1350 and 1420 daily. Transmits using his left (artificial) foot, but always starts CQ de UCZ wx 735 = ; sometimes QSOs with other stations.
11430.0	CW	...	unknown, 5-letter groups
11457.8	CW	ULE	unknown, cls 6VG & sends 377,377, 377 and 371É, 371É, 371É 1415
11510.0	USB	...	'MARGUERITE' wkg someone in Bay of Biscay. FF 0945
11511.0	CW	...	unknown, 5-fig groups 1006
19098.0	CW	RCV	Moscow, USSR 1123
19610.0	USB	...	Paris PTT, France, test tape 1113

Just as I was closing for the post, a welcome log from Hugh Stegman arrived, from which I append an extract. Last month Hugh mentionedharmonics of cordless phones around 6840; now he says they are also apparent around 3517 kHz.

In the 6801- 6805 channel marker cluster, he notes that 'F', which has been on 6801.5 for years, now comes up on 6803. Otherwise these clusters just seem to go on and on and on.

For NUMBERS fans, the 4-digit lady on 6802 now simulcasts on 5238 and 5812; the Cuban 5-digiter can be heard on 6768 and 6772/3, a very stong carrier but with minimum modulation so as to be almost inaudible.

JAMMERS - R. Beijing is now being jammed, tho not very effectively; BP on 6560 and WL on 7830 have been logged, 1000 - 1030 UTC.

Now for the rest of Hugh's log, which includes quite a few of these so far unidentified queer callsign CW stations:

4057.0	CW	...	unknown, SS bad morse & ruff note 2307
5865.0	MCW	...	unknown, 5-fig gps 'BT 279 80 0000' 0429
6515.0	CW	H5SA	unknown, 'DE H5SA RH' & tfc
6550.0	CW	2AA3	unknown, tfc 0558
6756.0	USB	SAM 127	Telcom thru Andrews AFB
6761.0	USB	....	SAC 'QUEBEC' - long echoes 0702
6780.0	USB	....	unknown excitable RR OM 0719
6802.0	CW	...	unknown, Cyrillic tfc 1649
6870.0	AM	OUT	prob. Tel Aviv, Israel, phonetic alphabet merchant 0616
6887.0	CW	...	unknown, 'TU..NTA.. OK' 0328
6905.0	MPX	...	'ACROBAT', LSB tfc + 8 carriers, inc. FSK
6920.0	CW	A1	unknown, coded tfc 0538
6958.0	CW	...	'ZZU 5378 K' + data bursts 0545

7016.5 7024.0 7469.5 7469.8 7530.8	MPX	...	Freqs are the lowest of 7, 8 or 9 carriers, believed USAF 0530-0630 Note intrusion into ham band
7590.3	CW	....	unknown, 2 stns, one chirpy, EE tfc 0625
7710.0	CW	...	unknown 'CQ 515.805 HR II' then 5-fig groups 1036
7725.0	AM	...	SS/YL marker '5720 9123' 1030

Well, that's all for this month,
Best wishes,

Geoff

BUSINESS, ETC.

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufacturers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.) General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to:

Send Business monitoring information East of the Mississippi to:
Brandt Niemuth, P.O. Box 541, Rosemont, IL 60016

Welcome. Thought for the month: Appearances are deceiving. A dollar the same as it did 10 years ago. On that we move to the goodies.

From Steve Giovanis (GA-008) comes the following for the Brunswick and Saint Simons Island areas of Geogia.

154.54	Terminal Pest Control
461.725	Island Landscaping Service
151.985	Bell South Telephone
151.745	Sea Island - Cottage housekeeping
151.715	Rentavision of Brunswick

Thank you,Steve, and please remember: something is better than nothing. The following is from Bob Parnass (IL-267) with some additions from my files (all confirmed):

31.04	KKK 703	OK Electric	Naperville
42.96	KLK 761	Raymond Sand & Gravel	Montgomery
45.84	KUL 957	Kendall Cty Highway Dept	Yorkville
152.99	KSI 660	Cities Service Oil Co	Cicero
155.22	KEC 808	Illinois Masonic Hospital	Chicago
462.55	KAD5173	Michael E Hochfelder	Buffalo Grove
462.575	KAB0649	Augustana Hospital	Chicago
462.675	KAD7925	Northwest Suburban REACT	Hoffman Estates
462.675	KAD8037	Albert W Garbe	Oak Park
851.0625	KQW 811	Beacon News	Geneva
852.0625	KBJ 660	Chicago Tribune	Chicago
853.4625	KOK 217	O'Hare Midway Limo Service	Chicago
853.5375	KKH 461	Will County Well & Pump	Lockport
853.5375	KQY 945	Spee Dee Disposal Service	Lockport
853.5375	WQD 513	Multimedia Cablevision	Lockport
853.8125	KB 8984	Hillquist Excavating	Geneva
853.8125	WDT 259	Hillquist Excavating	Geneva
854.7375	KNFW209	Acorn Disposal Service	Batavia
855.0125	WNAJ770	O'Hare Midway Limo Service	Chicago
855.0625	KAU 719	Naperville Chauffering	Naperville
31.44	KUA 893	Meyer Material Co	Naperville
151.925	KFC 908	Corn Products Co	Argo
151.625	KB74538	RCSP Limited	Saint Charles
158.31	KTC 275	Mobile Oil Telecom	Joliet

*173.225	KA67754	Rah Lighting Systems	USA - wide
*173.375	KA67754	Rah Lighting Systems	USA - wide
461.525	WNCC595	Allied Security Inc	Rolling Meadows
461.85	KIE 997	Viking Livery Inc	Chicago
461.85	KNGZ636	Sgt Peppers Inc (Restaurant)	DeKalb
461.85	WNBJ390	West & Sons Standard Svc	Lombard
463.275	KNHN362	Peoples Cab Co	Chicago, Bellwood
463.475	KNHQ705	Hatco General Contrs	Batavia
463.525	WNBC979	Jodi Medicar Svc (ID's:"Appollo")	Chicago
464.1	KNDT872	Valley View School Dist 365U	Romeoville
464.475	KMB 629	Aurora News Agency	Aurora

*These freqs were in use during on location shooting of the TV series "Lady Blue." Thank you, Bob, for the update. Next we have some material from fellow editor Joe M Lewis (MD-015) with an update on the AAA in the Potomac area. Thanks Joe.

For the Baltimore, Md area:

	47.92	KOA 922	Baltimore Gas & Electric
	153.605	KYX 802	Baltimore Gas & Electric
	151.775	WQJ 540	Maryland Way Restaurant
	152.33 (B)	KBL 234	Yellow Checker Cab (157.59 M)
(B)	152.375	WSC 507	Blue Star Cab (157.635 (M)
	463.125	WSV 461	Anne Arundel General Hospital
	462.575	KAC9044	Annapolis Hilton Hotel
	463.85	KCW 972	Pepsi Cola
	464.15	KRK 488	Coca Cola
	464.175	WSB 378	Giant Foods
	464.7		Tidewater Builders
*	154.625	KAI 924	A.A. County Community College
	154.515	KTV 984	Arundel Mall — Glen Burnie, Md
	155.16	KVN 478	North Arundel Hospital — Glen Burnie, Md
*	157.45	KVN 478	North Arundel Hospital — Glen Burnie, Md

Port Charlotte, Florida area:

	151.685	KKU 903	Tri City Pools
	151.715	KNFU291	Master Builders
	151.865	WYH 927	Hanson Pools
	151.925	KKN 321	Charlotte Homes Inc
**	152.142	KSC 446	Amick Realty
	461.6	KSY 201	General Development
	461.975	KDH 372	U S Homes
	463.85	WSZ 877	Gulfcoast Wheelchair Transport
(B)	152.27	WQR 578	Green Top Cab 157.53 (M)
	154.515	WYA 972	Punta Gorda Isles
	154.57	WYR 879	DM Construction

(ED Note):
(B) Base (M) Mobile
* These are paging freqs. ** This freq falls with the VHF mobile phone allocation, a possible mistake somewhere.

AAA update:

150.965	WZT846B	Montgomery County, Md Stations: 4 & 10
452.575	WXY 454	Northern Virgina Stations: 51, 55, 57, 61, & 67
150.905	WZT846A	Washington, DC Stations: 3, 6, & 7
452.55	WRM 833	Northern Virgina Stations: 56, 58, & 68
150.95	WDU 646	DC, Virgina, Prince George's County Md Stations: 5, 32, 43, 44, 53, & 62
452.6	WZT 850	Upper Montgomery County, Md Stations: 22, 23, 24, 25, 26
452.525	KLS 515	Montgomery County & Prince George's County, Md Stations: 20, 27, 40, 41, 42, 46, & 47

Sta #	Station Name		
2	Adams Safe & Lock	41	Crab State Towing
3	Sentry Towing	42	New Carrollton Towing
4	Precision Wrecker	44	M & N Towing
5/32/43	Raley's Towing	46/47	L W H Towing
10/15	Performance Towing	51	Case Towing

6	D & S Crane.	55	Sealock Towing
7	F & W Towing	56	Downs Towing
20	G & G Gulf	57	Quick Silver Towing
22	Germantown Gulf	58	Broad Street Towing
23	Cavanaugh Towing	61	Burke Servicenter
24/25	Swartz & Bowie Towing	62	Cardinal Plaza Shell
27	C & D Towing		
53	Rocky's Towing		
68	Reston/Herndon Towing		

Note: Station trucks will ID with station # and a Letter (A thru Z) depending on number of trucks each station has. ex: 27A, 55D

Stations that have their own radios:
496.5625 WIB 354 I W H Towing
150.815 KDB 553 M & N Towing
463.675 KTI 871 Raley's
463.525 WQK 515 G & G Gulf

Send Business monitoring information West of the Mississippi to:
Cliff Polkinghorn, 14310 Acacia St., San Leandro, CA 94579

WELCOME---To April 1986, Business West. Thanks to all who have contributed info thus far, your support of R.C.M.A. and its (YOUR) newsletter is greatly appreciated.

FROM SCANNERS UNLIMITED (1199A Laurel, San Carlos CA)

30.80	KIV393	C & L TOWING	S.F.
35.10	KML781	D & S GARAGE	SAN RAFAEL
35.70	WQF344	J & P TOWING	S.F.
35.96	KDR925	HANKS AUTOMOTIVE SVC.	SAN LEANDRO
43.00	KNBE700	ALCO TOWING	FREMONT
30.88	KSR607	BAKER PROTECTION SVC.	SAN JOSE
44.20	KTF726	BRINKS	S.F.
151.745	WSQ892	FALCON PATROL	SAN JOSE
151.835	KBZ354	TOM KING DETECT./PATROL	OAKLAND
47.46	WYC871	VALLEY AMBULANCE	CASTRO VALLEY
47.62		MEDIVAC	SAN MATEO
155.175	WZN277	SUMMIT AMB. SVC.	BELMONT
464.525	KAK549	U.C.S.F. MEDICAL CTR.	S.F.
151.835	KY2306	EMPORIUM	S.F.
154.515	KKM503	FEDERATED STORES	S.F.
"	WYA238	" "	SAN JOSE
"	KNAL387	" "	SAN MATEO
"	KTW691	" "	PALO ALTO
151.685	KMK936	PAN AM WORLD AIRWAYS	S.F.
154.600	KU6762	WORLD AIRWAYS	OAKLAND
460.700	WYY309	SINGAPORE AIRLINES	S.F.
460.800	KET750	PAN AM WORLD AIRWAYS	S.F.

FROM ANONOMYOUS: "STOCKTON AREA BUSINESS"

461.875-466.875		CALIF PLANT PROTECTION	
464.775-469.775		DAVIS SECURITY SYSTEMS	
462.100-467.100		ROMEX GUARD SERVICE	
151.715	KKB928	AMERICAN PROTECTION SERVICE	
461.600		"UNKNOWN"	SACRAMENTO AREA
464.925		CECIL ALARM RESPONCE	
151.955		MODESTO JR. COLLEGE	MODESTO AREA
464.975-469.975		UNIVERCITY OF PACIFIC	
460.2875-465.2875		DELTA COMMUNITY COLLEGE #1	
460.1625-465.1625		DELTA COMMUNITY COLLEGE #2	

FROM DAVID "CATE001" REDDING AREA BUSINESS

152.48	
159.66	
461.225	TRUCKING FIRMS--NAMES NOT PROVIDED--
159.915	
473.100	
153.275	LOGGING COMPANIES--NAMES NOT PROVIDED--

```
FROM ROBERT STOFFEL "CAOR026"
ANAHEIM AREA HOTEL LIST
154.515  KNAH629   THE INN AT THE PARK
464.375    "         "   "   "  "   "
464.4375   "         "   "   "  "   "
158.460  WNAZ499    HOTEL IBIS
464.325  KNIA344    ANAHEIM HILTON
464.375    "          "      "
464.525    "          "      "
462.575  KAD6154    ANAHEIM MARRIOTT
463.300  KNHX524      "      "
464.375  WRR354       "      "
464.475  KNJQ296      "      "
464.675  WRR354       "      "
464.825  KNJQ296      "      "
464.775  KNIG640    EMERALD OF ANAHEIM
464.575  WNBC421    TRAVELODGE AT THE PARK
464.3875 KJ4145     GRAND HOTEL
464.925  KUK423       "     "
151.865  KNCF363    HOWARD JOHNSONS MOTOR LODGE
151.805  WZV925     JOLLY RODGER INN
151.955  WYZ893     WESTWARD HO HOTEL
154.540  KNAD732    MAGIC CARPET/LAMP HOTEL
462.575  KAD1360    DISNEYLAND HOTEL
464.575  WYA716       "          "
158.460  ------       "          "
also----FROM ROBERT STOFFEL
ANAHEIM MEMORIAL HOSPITAL      154.515  WNAJ591
MG DISPOSAL__FULLERTON--        42.96   WNBU549
SADDLEBACK COLLEGE             461.1125 KB66203
GATEWAY PLAZA--LA MIRADA--     461.125  KNIA521
ORANGE HIGH SCHOOL             154.570  KB60864
NOTE:------several McDonalds in Orange County found on 154.600

THATS IT FOR THIS MONTH, SEE YOU ALL IN "MAY"--------
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Cliff

CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to:

Rob Berezowski, 310-4045 Rae St, Regina, Saskatchewan, Canada S4S 6Y8

Greetings once again and welcome all to the April Canada column. Contributions have slowed down a bit, but certainly the quality has not decreased. Expo 86 will be officially opening on May 2, so this month I'm going to try to focus on Vancouver and the B.C. Lower Mainland.

I don't have to emphasize to anyone the enormity of the exhibition, and the logistics of security, transportation, policing, medical care, food services, and a long list of other necessities. $1.5 billion has been spent(that's not a misprint, I mean billion). In total area, the Expo site itself is 50% larger than Disneyland, with a total area of 173 acres spread over 3.2 km of waterfront. There are over 200 buildings and pavilions. Over the 5 months of the Expo, 13.5 million visitors are expected, with 8.5 million visits already paid in advance.

Many public service agencies in Vancouver are already getting into high gear preparing for Expo, a world class affair. Along with the millions of visitors, many VIPs are expected. This means a lot of new frequencies are starting to become active. In this column I'll try to highlight frequencies for some of these agencies.

Our first letter comes from Sid (CANA-109). Sid has been searching the UHF range, and has found quite a few new frequencies. Included are the following being tested for use by Expo 86 staff (Security, Maintenance, etc.):

EXPO 86 SITE OPERATIONS

422.6875 / 427.6875in	Expo 86 Channel 9
422.7375 / 427.7375in	Expo 86 Channel 1
422.7625 / 427.7625in	Expo 86 Channel 6
422.8875 / 427.8875in	Expo 86 Channel 4
422.9375 / 427.9375in	Expo 86 Channel 2

The above repeaters were heard during radio checks from the Canada Place Pavilion to the Expo site at False Creek. 422.7875 and 422.8125 may also be used for simplex operations, but this is not confirmed. 422.7375 is the most active frequency at the moment, with Security having used it at one time. Expo Planning and Development have been heard before on 460.6375(R), but this frequency may or may not be active at this time.

At this point Sid has not been able to determine actual uses for each of the above frequencies. In the weeks before Expo officially opens on May 2, the above channels should become very busy, and uses for each frequency can then be found.

BC Place Stadium is located immediately adjacent to the Expo pavilions, and will play a major role at Expo. This stadium is a dome covered multi-use facility,with a seating capacity of 60,000.

BC PLACE STADIUM OPERATIONS

463.6125 / 468.6125in	Ch 1 Maintenance (unconfirmed)
464.0125 / 469.0125in	Ch 2 Security

The new ALRT, known as the Skytrain, is now in service. Several UHF frequencies are in use:

BC TRANSIT SKYTRAIN OPERATIONS

410.0625 / 415.0625in Skytrain Road Operations

410.2875 / 415.2875in Skytrain Road Operations

(these two channels are simulcast from different repeater sites, hopefully allowing good reception on one channel or the other -ed)

410.4875 / 415.4875in Skytrain Train Maintenance

410.7875 / 415.7875in Skytrain Data Channel

(Sid indicates that this channel carries some sort of telemetry. This channel is undoubtably connected with the extensive computer system used to control the driverless trains -ed)

411.0625 / 416.0625in Skytrain

(Sid is not sure of the use of this channel, but speculates that this channel <u>may</u> be used for the onboard radios. These radios are used by the passengers to report emergencies, and for announcements made by the dispatcher directly to the passengers. -ed)

460.3375 / 465.3375in Skytrain Station Property Maintenance

(This channel is unconfirmed -ed)

Sid has also found a few other UHF frequencies that may be of interest to other members, and visitors to Expo:

451.1375 / 456.1375in	building security (unidentified)
452.9625 / 457.9625in	Simon Fraser University Security & Campus Operations
460.4125 / 465.4125in	Vancouver General Hospital Security (may also used by the mental hospital in Coquitlam -ed)
460.8125 / 465.8125in	CP Air Ramp & Gate Operations Vancouver International Airport
462.8125 / 467.8125in	unidentified Airline Operations (Pacific Western Airlines?)

With 8 million visitors quaranteed, and several million more expected at Expo, including numerous VIPs, security is going to be a major problem. I understand that site security will be provided by Expo staff, while the Vancouver Police Dept will supply certain external security. VIP Security will be the responsibility of the RCMP, but it is not known what other duties the RCMP will perform. Expo site security will be on the 422 MHz frequencies for Expo staff given above. From my own files here is a list for the Vancouver Police Dept:

VANCOUVER POLICE DEPT

143.085 / 148.075in	F1	Dispatch Zones 1 & 2 (West, Downtown)
143.385 / 148.375in	F2	Dispatch Zones 3 & 4 (Northeast)
143.565 / 148.555in	F3	Dispatch Zones 5 & 6 (Southeast)
143.685 / 148.675in	F4	Dispatch Zones 7 & 8 (Southwest)
143.025 / 148.015in	F5	Car-to-Car
143.775 / 148.765in	F6	Detectives
143.835 / 148.825in	F7	Detectives
143.055B/ 148.045M		MRDS Data channel

Sid was lucky enough to monitor some RCMP radio technicians performing radio checks. The techs were co-ordinating on 139.080, which is Inter-Detachment TAC 1 for the Lower Mainland. The technicians were testing some VHF and UHF radios. It's not confirmed, but Sid believes they were testing from the Expo site to Vancouver HQ (XJA43). Apparently the UHF reception was far better than VHF. Sid was unable to find the new VHF/UHF frequencies.

From my own files, here are some other frequencies that will be active. Vancouver Fire Dept use the following:

VANCOUVER FIRE DEPT

151.505 / 149.050in	Dispatch
150.635	Tactical
462.2875/ 467.2875in	Firehall Alerting (Firehall to Firehall)

One major service often overlooked is emergency medical care. B.C. Emergency Health Services (EHS) will provide ambulance services for all of the Expo sites. Below is a list of their current frequencies in the Vancouver area:

BC EMERGENCY HEALTH SERVICES

149.680	F1 Provincial Tactical (also paging)
149.830	F2 Suburbs Dispatch
149.440	F3 Vancouver City Dispatch
149.110	F4 Fraser Valley and Sunshine Coast Dispatch
142.605 / 138.615in	ALS (Paramedic) Phone Patch
142.905 / 138.915in	Administration Phone Patch (?)
158.760	Inter-Hospital Emergency (for disaster use)
123.450	B.C. Air Ambulance to Base

B.C. EHS utilize both Basic Life Support (BLS, with Emergency Medical Technicians) and Advanced Life Support (ALS, with Paramedics) ambulances. The Paramedics can be found on 142.605 communicating with the hospital doctors. 142.605 is F3 on the PM portable radios.

The Provincial channel F1 is a channel commonly used for large events (for example during the Pope's visit). It is a good guess that ambulances and crews stationed at the Expo sites will use F1 149.680.

Currently Vancouver City and Richmond EHS dispatch are on F3 149.440. F2 149.830 handles dispatch for all the suburbs around Vancouver as far east as Maple Ridge on the north side of the Fraser River, and as far east as Langley on the south side of the Fraser. F4 149.110 dispatches cars for Mission and points east on the north side of the river, and for Matsqui and points east on the south side of the river.

I have been told that EHS operates a very professional dispatch system on the above frequencies. The dispatchers have access to both 149.110 and 149.830 on their consoles. Because EHS is very busy,

ambulances are frequently moved from area to area to fill in. Ambulances also frequently have to leave their home area for hospital transfers. A system has been set up where the ambulances are required to check in with the dispatcher as they pass certain points, changing frequencies as required. For example, if all of the ambulances are tied up in Coquitlam, one or more ambulances from Burnaby may move over to fill in, checking in with the dispatcher along the way. In this manner, the dispatchers can maintain adequate coverage in all areas. As I said before, the system is professionally run, and quite enjoyable to listen to.

From a reliable source I've heard that the Canadian Coast Guard will be setting up some special marine channels for use by "Vancouver Traffic" during Expo. Expo planners are expecting a lot of marine traffic to/from Expo. I understand that boat mooring space is going to be in high demand during Expo. Here are the special frequencies:

EXPO 86 SPECIAL MARINE FREQUENCIES

False Creek Traffic Advisory	Ch 66A 156.325
Continuous Bulletins (Expo marine info)	Ch 81B 161.675

False Creek is an inlet situated southeast of the Vancouver downtown core. The Expo site is spread around this inlet. It may get quite congested in False Creek.

Another useful group to listen to during Expo will be the news media, especially television. I don't know what special arrangements are being made for live broadcasts, but here is a list of news media from my own files:

VANCOUVER REGION NEWS MEDIA

BCTV News Photographers (CTV)	Primary Vancouver	451.6875/456.6875in
" " " "	(Not heard)	451.6875(S)
" " " "	(BCTV Victoria)	451.8125/456.8125in
" " " "	Vancouver Simplex ?	451.8125(S)
CBC TV News Photographers		450.8125/455.8125in
CKVU TV News Photographers (Global TV)		164.520(S)
CKNW/CFMI-FM News		152.930(S)
CKNW News Helicopter		450.9625(S)
CFUN Radio News		172.830(S)
CKWX News		153.050(S)
CJOR News		450.200/455.2125in
CJJC Traffic		150.070(S)

In the above list, I would recommend listening to the three TV station news frequencies. They seem to be the most aggressive in chasing news, and will probably be the most active at Expo.

In an older letter, Sid commented that the month of August/85 was very bad for forest fires. (yes, I know the letter is a little old -ed) He found the BC Forest Service using 159.270, 163.215, 164.085, and 171.030. Of these frequencies, 163.215 was the most active. Firefighting aircraft were on 122.650 and 129.650. Washington State Dept of Natural Resources was active on 159.240. Thanks a whole bundle for all the information Sid. I hope you will keep us up to date as Expo continues.

Another letter came from Jim (CANA-082) in Vancouver. Jim passes on some information on Yellow Cab Co of Vancouver. The cab company has been going through some changes recently. Although not confirmed, it seems that the company is in the process of installing Mobile Data Terminals (MDTs) in the cabs. Yellow Cab formerly had a two channel radio dispatch system. On or about Oct 1/85, the company went from a two channel system to a one channel system. The old "downtown" frequency of 166.925 is now used for MDT data, and all other voice dispatching is on the old "uptown" frequency of 166.375. This one channel is now very congested, and the dispatchers really have their hands full. Expo 86 will open soon, and hopefully the new MDT system will help with the expected demand for taxis. Thanks for writing in Jim.

Our next letter comes from an anonymous member in B.C. He/she reports that the West Vancouver Transit Service is on 163.020. Buses and Supervisors use this frequency, and our member says it is useful during rush hour to obtain road and traffic conditions on the Lions Gate Bridge.

Our mystery member also sent in the following information:

DELTA FIRE DEPT

	155.430	Dispatch		
Hall # 1	F100 Pumper	F103 Ladder	F95 Chief's Car	Paid Hall
Hall # 2	F200 Pumper			Paid Hall
Hall # 3	F300 Pumper	F301 Rescue		Paid Hall
Hall # 4	F400 Pumper	F401 Tanker		Volunteer Hall
Hall # 5	F500 Pumper			Paid Hall

The Delta Fire Dept also use a 10 code, and here are some unconfirmed codes:

10-7	Back at Hall
10-8	Leaving Hall
10-10	Clear of Call
10-25	?
10-45	Returning to Hall

Any corrections or confirmations of the information and codes above will be greatly appreciated. The Saltspring Island Fire Depts are also on 155.430. This includes Fulford Harbour Fire Dept, which is dispatched by Ganges Fire Dept on 155.430. Many thanks to our anonymous but reliable member.

There is of course a lot of frequencies used in the Vancouver and BC Lower Mainland area. It is not practical to list every frequency, and all possible information on Vancouver. What I've tried to do is to print the most useful information and frequencies for those visiting Expo. For anyone planning a vacation this summer (who isn't?), I strongly urge you to consider going to Expo. The theme of the Expo is Transportation and Communications, and the exhibits highlight technological advances in these areas. There's a lot to see, and I'm sure everyone will enjoy themselves. (I may even see you there, that depends on my vacation schedule) Don't forget to bring the scanners! For anyone worried about scanner laws, don't be. As long as you don't make a pest of yourself, no one will bother you.

I hope the list above will help you. Many thanks to all of the members who contributed the material. If anyone has any updates or corrections to the above material, please send them in. Also if anyone has any more special frequencies for Expo, I'll get them into the column as soon as possible. Until next month, best wishes to you all.

A Provincial Crown Corporation.
Hon. Claude Richmond, Minister Responsible.

EXPO The 1986 World Exposition
Vancouver
British Columbia, Canada
May 2 - October 13, 1986

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COMMUNICATIONS PROFILE

Joe M. Lewis, 750 Scotland St., Dunedin, FL 33528

This column is for special projects that explain various systems in detail. Frequencies and radio codes of not only municipal agencies and certain federal government agencies may be listed, but also large businesses and corporations. The contribution must be lengthy enough that publishing it in one of the regular columns would not be possible. If you are inclined to submit a report as the one below appears, please follow No. 7 in the inside front cover of the Newsletter.

WELCOME TO THE APRIL COLUMN. THIS MONTH WE WILL LOOK AT MONTGOMERY COUNTY, MARYLAND, EXCEPT THE FIRE DEPT. WHICH WAS IN THE OCTOBER 1985 COLUMN. HOWEVER THERE WAS AN ERROR AND ADDITIONAL INFORMATION.

RESCUE COMPANY 2 SHOULD HAVE READ: 11435 GRANDVIEW AVE. WHEATON, MARYLAND.

UNIT 1 DIRECTOR
UNIT 2 FIREBOARD CHAIRMAN
UNIT 3 ADMINISTRATION SERVICE CHIEF
UNIT 4 PROGRAM DEVELOPMENT OFFICER
UNIT 5 LIEUTENANT
UNIT 6 CHIEF OF OPERATIONS
UNIT 7 FIRE SCIENCE INTERN
UNIT 8 ADMINISTRATION DIVISION STAFF
UNIT 10 TRAINING OFFICER
UNIT 11 FIRE INSTRUCTOR
UNIT 12 RESCUE INSTRUCTOR
UNIT 13 ACADEMY MAINTENANCE TECH.
UNIT 15 TRAINING STAFF
UNIT 20 COMMUNICATIONS OFFICER
UNIT 21 to 24 SHIFT SUPERVISORS, EOC
UNIT 25 EOC STAFF
UNIT 30 EMS OFFICER
UNIT 31 EMS LIEUTENANT
UNITS 33 to 36 PARAMEDICS
FM-1 CHIEF, FIRE PREVENTION DIVISION
FM-2 ASSISTANT CHIEF, FIRE PREVENTION DIVISION
FM-10 LIEUTENANT, FIRE PREVENTION
FM-11 SARGENT, FIRE PREVENTION
FM-12 SARGENT, FIRE PREVENTION
FM-20 LIEUTENANT, FIRE PREVENTION
FM-21 SARGENT, FIRE PREVENTION
FM-22 SARGENT, FIRE PREVENTION
FM-30 LIEUTENANT, FIRE PREVENTION
FM-31 SARGENT, FIRE PREVENTION
FM-32 SARGENT, FIRE PREVENTION
FM-51 SARGENT, FIRE INVESTIGATION
FM-52 SARGENT, FIRE INVESTIGATION
FM-53 SARGENT, FIRE INVESTIGATION
FM-60 LIEUTENANT, PUBLIC EDUCATION
FM-61 & 62 SARGENTS, PUBLIC EDUCATION

AND NOW ON TO THE MONTGOMERY COUNTY POLICE

494.712 CHANNEL 1 ROCKVILLE, DISTRICT 1

494.862 CHANNEL 2 BETHESDA, DISTRICT 2

494.912 CHANNEL 3 SILVER SPRING, DISTRICT 3

495.312 CHANNEL 4 WHEATON DISTRICT 4

495.337 CHANNEL 5 GERMATTOWN, DISTRICT 5

495.362 CHANNEL 6 COUNTYWIDE DETECTIVES

495.387 CHANNEL 8 COUNTYWIDE CAR-CAR

495.412 CHANNEL 8 COUNTYWIDE DETECTIVES

CHANNELS 9- 13 SAME AS CH.1 - 5 EXCEPT SIMPLEX

ROCKVILLE SECTOR A & B

BETHESDA SECTORS D & E

SILVER SPRING SECTORS G & H

WHEATON SECTORS J & K

GERMANTOWN SECTORS M & N

UNIT NUMBERS; EXAMPLE IS ROCKVILLE DISTRICT 1,
SECTORS A & B:

100 DISTRICT COMMANDER

101 DEPUTY DISTRICT COMMANDER

102- OPERATIONS LIEUTENANT

105-109 DISTRICT ADMINISTRATIVE PERSONNEL

BEAT NOMBERS: 1 = MIDNIGHT SHIFT
2= DAY SHIFT 3= EVENING SHIFT

PRIMARY BEAT CARS FOR SECTOR A, DAYSHIFT:

2A1 to 2A4, SHIFT SUPERVISOR 2 A 10

BACK UP BEAT CARS: 2 A 11- 2 A 21,ETC.

FOR OTHER DISTRICTS AND SECTORS, JUST CHANGE THE FIRST
NUMBER AND LETTER

TRAFFIC UNITS: DISTRICT # AND 50 to 65

SCHOOL SAFETY, DISTRICT # AND 66 to 69

CRIMINAL INVESTIGATION, DISTRICT # AND 70 to 90

STATION TACH TEAMS, DISTRICT # AND 30 to 39

HEADQUARTERS STAFF:

1- CHIEF OF POLICE

2- DEPUTY CHIEF

3- DEPUTY CHIEF

4-5-6 BUREAU COMMANDERS

7-8-9- DEPUTY BUREAU COMMANDERS

10 - 14 DUTY COMMANDERS

15 - COMMANDER, COMMUNICATIONS

16-COMMANDER, OPERATIONS SUPPORT

17-19 B BUREAU AMINISTRATIVE STAFF

20- HEADQUARTERS ADMINISTRATION

21-24 INFORMATION SERVICES

30- CHIEF, ROCKVILLE CITY POLICE

31- OPERATIONS COMMANDER, ROCKVILLE CITY POLICE

32- 33 DUTY COMMANDERS, ROCKVILLE CITY POLICE

34- RELIEF SUPERVISOR, ROCKVILLE CITY POLICE

35-39 ADMINISTRATION VEHICLES, ROCKVILLE CITY POLICE

40 STATE'S ATTORNEY LIAISON

41-43 RESEARCH AND PLANNING

51-53 CENTRAL PROPERTY

54-58 ABANDONED AUTO UNIT

62 FIRE MARSHALL

70-79 INTERNAL AFFAIRS

95- MEDICAL EXAMINER,ROCKVILLE & BETHESDA

96- MEDICAL EXAMINER, WHEATON & SILVER SPRING

97-99 MEDIA SERVICES

UNITS WITH COUNTYWIDE RESPONSIBILITIES:

9A10 - 9A20 ACADEMY STAFF

9B10-9B35 CRIMES AGAINEST PROPERTY

9E10 CHEMIST

9E11 ALCOHOL UNIT

9F10-9F16 IDENTIFICATION SECTION

9G10-9G19 GENERAL ASSIGNMENT

9K10- 9K19 CANINE SECTION

9N10-9N20 NARCOTICS SECTION

9P10- 9P30 CRIMES AGAINEST PERSONS

9R10-9R15 COMMUNITY RELATIONS

9S10 - 9S15 SCHOOL SAFETY

9T10-9T18 TACTICAL SECTION

9V10- 9V15 VICE SECTION

9Y10- 9Y35 YOUTH SECTION

OTHER UNITS ON MONTGOMERY CO. PD FREQS.

9G10- 9G19 GAITHERSBURG CITY POLICE

9M10 - 9M15 CHEVY CHASE VILLAGE POLICE

9L10- 9L30 COUNTY SHERIFF DEPT.

RADIO CODES:

10-1 RECEIVING POOR

10-2 RECEIVING GOOD

10-3 STOP TRANSMITTING, EXCEPT EMERGENCY

10-4 MESSAGE RECEIVED, ONE MAN UNIT

10-5 ON THE SCENE

10-6 BUSY

10-7 OUT OF SERVICE, CODE_____.

10-8 IN SERVICE

10-9 REPEAT LAST MESSAGE

10-10 OUT OF SERVICE, BUT AVAILABLE FOR CALL

10-11 DISPATCHING TO FAST

10-12 ADVISE ROAD,WEATHER CONDITIONS

10-13 REWUEST TOW TRUCK FOR PASSENGER VEHICLE

10-15 TRANSPORTING PRISONER, IN CUSTODY.

10-16 WISH TO MEET UNIT_____, AT_____.
10-19 REQUEST SHIFT COMMANDER
10-20 LOCATION
10-21 REQUEST FIELD SUPERVISOR
10-22 CANCEL LAST MESSAGE
10-23 CHECK FOR VALID LICENSE
10-24 CONTACT YOUR DESK CLERK
10-25 DO YOU HAVE CONTACT WITH_____?
10-26 REPORT TO YOUR STATION
10-27 ADVISE PHONE NUMBER FOR_____.
10-28 REGISTRATION CHECK
10-29 CHECK FOR WANTED OR STOLEN
10-30 DOES NOT CONFIRM TO REGULATIONS
10-31 DO YOU HAVE ANY CALLS FOR ME?
10-32 NO CALLS FOR YOU
10-40 ADVISE YOUR WELFARE
10-41 WELFARE IS OK, NO ASSISTANCE NEEDED
10-50 OFFICER IN TROUBLE, NEEDS IMMEDIATE HELP
10-51 REQUEST ASSISTANCE, NO EMERGENCY
10-60-RETURN ON 10-29, WANTED/STOLEN INDICATED
10-70 UNITS STAY CLEAR, SURVEILLANCE UNDERWAY
10-86 CALL YOUR SPOUSE
10-97 HOW DO YOU COPY
10-99 MESSAGE RECEIVED, TWO MAN UNIT
10-100 RIOT OR LARGE DISTRBANCE IN PROGRESS, REQUEST ASSISTANCE

EVENT CODES:
0111 HOMICIDE, FIREARM
0112 HOMICIDE, SHARP INSTRUMENT
0113 HOMICIDE, BLUNT INSTRUMENT
0114 HOMICIDE, BY FISTS OR HANDS
0115 HOMICIDE, OTHER THAN ABOVE
0121 MANSLAUGHTER BY NEGLIGENCE

0211 RAPE, BY FORCE
0212 RAPE, ATTEMPT FORCE
031X ROBBERY FIREARM
032X ROBBERY,KNIFE, CUTTING INSTRUMENT
033X ROBBERY, OTHER DANGEROUS WEAPON
034X ROBBERY, STRONG ARM
LAST NUMBER: 1 HIGHWAY, ROAD OR ALLEY
2 COMMON BUILDING EXCEPT 3,4, or 5
3 GAS OR SERVICE STATION
4 CHAIN STORE
5 RESIDENTIAL
6 BANK, ETC
7 OTHER THAN ABOVE
041X AGGRAVATED ASSAULT, FIREARM
042X AGGRAVATED ASSUALT, CUT, STAB

043X OTHER DANGEROUS WEAPON

044X BEAT, SERIOUS INJURY

LAST NUMBER: 1 ON CITIZEN

2 ON POLICE OFFICER

3 ON SPOUSE

051X BURGLARY, FORCE ENTRY

052X NO FORCE ENTRY

053X FORCE ATTEMPTED

LAST NUMBER:

1 RESIDENT, NIGHT 6pm-6am
2 RESIDENT, DAY
3 RESIDENT, TIME UNKNOWN

4 COMMERCIAL, NIGHT 6pm-6am

5 COMMERCIAL, DAY

6 COMMERCIAL, TIME UNKNOWN

7 SCHOOL, NIGHT 6pm-6am

8 SCHOOL, DAY

9 SCHOOL, TIME UNKNOWN

061X LARCENY, $200 OR OVER

062X $50-$199.99

063X UNDER $50 AND ALL ATTEMPTS

LAST NUMBER:

1 PICK POCKET

2 PURSE SNATCH

3 SHOPLIFTING

4 FROM AUTO

5 AUTO PARTS

6 BICYCLE

7 BUILDING, EXCEPT 3 & 8

8 COIN MACHINE

9 OTHER THAN ABOVE

0711 AUTO THEFT

0712 TRUCK AND BUSES

0713 OTHER MOTOR VEHICLE

081X ASSAULT AND BATTERY

082X SIMPLE ASSAULT

LAST NUMBER:

1 ON CITIZEN

2 ON POLICE OFFICER

3 ON SPOUSE

0911 ARSON, SUCCESSFUL

0912 ARSON, ATTEMPT

1011 FORGERY, CREDIT CARDS

1012 FORGERY, BAD CHECKS

1013 ALL OTHERS

111X BAD CHECKS- THEFT, $300 OR MORE

112X LESS THAN $300

LAST NUMBER:

1 MERCHANDISE

2 LABOR, SERVICE

3 STOP PAYMENT

4 OTHER THAN ABOVE

121X EMBEZZLEMENT, $300 OR MORE

122X EMBEZZLEMENT, LESS THAN $300

LAST NUMBER:

1 EMBEZZLEMENT

2 LARCENY AFTER TRUST

3 CONFIDENCE GAMES

4 ALL OTHERS

1311 POSSESSION,BUYING,RECEIVING STOLEN PROPERTY

1411 VANDALISM, DWELLING

1412 VANDALISM, MOTOR VEHICLE

1413 VANDALISM, COMMERCIAL BUILDING

1414 VANDALISM, SCHOOL

1415 VANDALISM, CHURCH OR TEMPLE

1416 VANDALISM, CONSTRUCTION SITE

1417 OTHER THAN ABOVE

1511 CONCEALED WEAPON

1512 POSSESSION OF WEAPON

1513 DISCHARGE OF WEAPON

1514 OTHER THAN ABOVE

1611 DISORDERLY HOUSE, VICE

1612 SOLICITING, PANDERING, VICE

1613 PROSTITUTION OTHER

1614 PROSTITUTION, ATTEMPT

1711 SEX ASSAULT

1712 INDECENT EXPOSURE

1713 INDECENT PHONE CALL

1714 PEEPING TOM

1715 UNNAT PERVERTED FORCE

1716 4th DEGREE SEX OFFENCE

1717 INCEST

1718 ALL OTHER SEX OFFENSES

181X POSSESSION, DANGEROUS SUBSTANCE

182X SELLING, DANGEROUS SUBSTANCE

183X USING DANGEROUS SUBSTANCE

184X MANUFACTURING

185X PRESCRIPTION FORGERY

X= 1 OPIUM

2- SYNTHETIC, DEMORAL, METHADONE

3- MARIJUANA, HASH

4- BARBITURATES,AMPHETAMINES

5- LSD,PCP,ETC

6 HARMFUL INHALANTS, GLUE, NEROSUL

7- COCAINE

COLUMN CONCLUDED NEXT MONTH

contact info wanted

This column has two purposes: to help members *contact* each other, and to help members obtain *information* directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interest, *this* is the perfect place for you to make known your interests. Remember — those who respond will do directly, so be sure to provide your phone number, the best time to be called, or your address. Write to:

Scott Mattson, 2820 Bridge Ave., Point Pleasant, NJ 08742

INFO WANTED: This member desires a frequency list for Modesto & Stanislaus County California. Will swap for same with list of Tuolumne County frequencies.
GEORGE WIGHT (CA/TO-001) P.O. Box 732, Groveland, CA 95321 (12/85)

INFO WANTED: Cable TV codes wanted for United Cable TV. Info should include Fix codes, Drop codes for the Hartford, CT area. Codes also wanted for Cox Cable TV.
EDWARD DuFOUR III (CT-005) 21 Sioux Road, East Hartford, CT 06118 (1/86)

INFO WANTED: Would like anyone with Pennsylvania, Ohio, New Jersey, Delaware, Virginia, Michigan, New York and southerly parts of Canada frequency information to help me determine who uses the frequencies of 158.850 & 158.790. What agency is licensed on both of these frequencies and uses a repeater? All info welcomed.
HOWARD ROSENBERG (MA-059) 8 Eisenhower Ave., Beverly, MA 01915 (1/86)

INFO WANTED: This member desires info on preamps compatible with the Bearcat 260. Also want info regarding the Regency MX-7000 - especially sensitivity and audio output for mobile use.
HANK ROSE (NJ-206) 2 South Gold Dr., Robbinsville, NJ 08691 (1/86)

INFO WANTED: Frequencies for Baltimore County/City fire, rescue, and police for my July vacation.
WILLIAM GILLARD (CA/LA-369) 834 South Main # 235, Los Angeles, CA 90014 (1/86)

MEMBER CONTACT: This member would like to contact other members in the southern New Jersey area. Prefer Gloucester, Camden, and Salem counties. Will consider Delaware and/or Greater Philadelphia. Exchange letters, frequency lists, ten codes, and general information.
LES MATTSON (NJ-187) 212 West Broad St., Paulsboro, NJ 08066 (1/86)

FCC TOPICS

George DuBois, Editor

FCC news and information of interest relating to two-way communications. Send comments and questions to:
George DuBois, 10048 NE Campaign, Portland, OR 97220

The FCC has allocated four new bands to the Amateur Radio Service, as a result of action taken at the 1979 World Administrative Radio Conference. The new bands are at 47.0 to 47.2, 76 - 81, 119.98 - 120.02 and 142 - 149 gHz. (That's gHz, not mHz.) The Commission also formally detailed the bands in which Amateurs have primary or secondary status and defined such status. Reworded terminology was also given to the limitations on use of certain bands. For example, the Amateur Radio Service is on a co-equal basis with the land mobile services in the 220 - 225 mHz band (although none are allocated) but both services are secondary to Government radar until 1990. The band from 1215 to 1300 mHz was officially removed from the Amateur service and the 1240 to 1260 mHz segment of the 1240 - 1300 mHz band will also be allocated to the Radionavigation-Satellite service, but on a primary-shared basis. Other provisions all apply to bands in the gHz range, so who cares.

Automatic operation is now permitted in the Amateur Radio Service when using digital emissions on frequencies above 50 mHz. This amendment will permit the operation of stations transmitting digital messages without the operator being present, unless third-party messages are being sent. This will allow amateur stations to be operated as computer bulletin boards, electronic mailboxes, packet-switching repeaters or links, etc.

The Commission has amended Part 87 to permit the use of 122.9 mHz by mobile stations at uncontrolled airfields and for the activation of runway lights from aircraft by on-off keying. 122.9 is a multicom frequency but is also presently assigned at airfields where no other facility is available (a part-time tower, Fixed Base Operator, Flight Service station, etc.). The FCC rules, however, didn't allow use by ground vehicles or for runway light activation. This was only permitted on tower or unicom frequencies. This amendment permits such use, but only when no other frequency or facility is available and 122.9 is designated as the common advisory frequency.

The Commission also amended its rules to permit the licensing of portable aircraft transceivers. Until now there were no provisions for licensing such stations, only individual aircraft. With the increased availability of low-cost transcievers that can be carried between aircraft the Commission will now issue individual licenses for portable stations.

The FCC has released a proposal to establish boundaries for rural areas outside the established Metropolitan Statistical Areas (MSA's) to facilitate the licensing of Cellular mobile telephone service to these rural areas. Under the present rules, applications will be accepted for the 305 largest urban areas and only after that could applicants apply for rural areas, areas up to 2000 sq. miles. Under this proposal, RSA's (or Rural Service Areas) would be established along the lines of existing counties in each state and applications could be accepted for these areas. Comment is also sought on whether to liberalize the requirement that service be provided to at least 75% of the service area, since this might be impractical or unwarranted in isolated areas. Also, consideration will be given to increasing the power and antenna height limits in rural areas to allow greater coverage, since frequency reuse is not anticipated to be a problem out in the sticks.

The Commission has proposed amending Part 90 to allow telephone companies to be licensed as Specialized Mobile Radio Service (SMRS). SMR's are commercial carriers who build and operate 800 mHz repeaters and lease use of them for profit. When the 851 mHz band was allocated for land mobile use in 1974 it was believed that this would be the only way to encourage use of the band, particularly for trunked systems. Only the largest users would otherwise be able to afford to construct their own 800 mHz systems. Wireline common carriers are specifically prohibited from owning SMRS systems. This amendment would allow telephone companies to own and operate such systems.

Cellular Revisited

I received quite a few inquiries regarding my February column on the Cellular Telecommunications Service. (Just when I thought no one read this column.) So I suppose I should clear up a few points. First, the paragraph next to the photograph. I've always considered home computers to be the pet rock of the 80's. But my brother got one to manage his various enterprises. So I've been doing the column with it, using his printer, a vast improvement over my old SCM. (I always felt bad because the other editors columns looked so slick and mine looked like hell.) Anyways, a few glitches con obviously slip in. What that paragraph should have done was to stress the importance of having a printout of the available channels in front of you. This will make searching a new cell unbelievably simple! Like I said, make the lists up on a typewriter if you have to. Or, again, send me a long SASE and an extra mint stamp to cover my costs and I'll still send you genuine computer-run lists which you can then copy (one for each site, plus a master). Circle the active channels on your lists. If you use a converter, write the scanner frequency next to the actual channel.

That brings up the other common inquiry. The information and tips in that column should make searching a cellular system, again, unbelievably simple. There is nothing else I can do except go to your city and search for you! That's the crazy thing I've noticed about this hobby. I've met people with stacks of frequency lists for every federal and local agency you can name. (These lists are traded back and forth across the country with little concern for their accuracy.) Yet some of these people don't know how to program their scanners to search! (I'm serious.) Nor, for that matter, do they know where to search to find a specific agency or business. Well, like I said in the article, you can have some fun and go out and track down the systems yourself, or just sit back and wait for someone to hand you the frequencies (and hope they're right). I went up to Seattle one day last December and tracked

down the whole Seattle, Everett, Tacoma wireline system, stretching some 75 miles, in 5 hours. (There are a couple of "holes" I have to fill in, areas I don't know my way around in.)

One guy sent me a copy of an article on cellular from another publication. The writer paid $50 for a copy of his system operators filing with the FCC. Don't do that! About the only thing you'll find out is the number and location of the cell sites, which then again, could have changed by now. Remember what I said about frequency assignment. The cellular operator is free to add or change frequencies or add new sites as he sees fit. That's also why the individual frequencies aren't in the FCC license microfiche. The wireline system here in Portland is the same as when it went on over a year ago. (They are about to add two sites, though.) The non-wireline system, on the other hand, went on with one control channel at 879.99 and the others all together starting at 879.39. It didn't take them long to realize they had problems with adjacent channel interference. In the six, seven months they've been on they've changed all their control channels twice, and all the channels at five of their sites. (This has been fun for me, trying to keep up with them.) Anyway, to emphasize my original point, you'll just have to get off your ass and find the frequencies yourself. If you don't have the need or feel the challenge to track down the whole system (in L.A. or New York, for example), then don't. Just get the three or four cells around you, so you know what to do when they hand off.

System configuration is something else I can't help you with from here. The Portland GTE system has one central site just outside the city center and others spread evenly around the city in a five or six mile radius. The non-wireline carrier, though, has a low-elevation site right downtown and a 25 to 30 channel- (it varies) "super site" high on a hill serving almost the entire city. Their other sites are in a circle in about a 10 to 15 mile radius, even one about 20 miles north of downtown Portland, another 20 miles west! You know your city better than I do. Just drive around, stop once in a while, open the squelch and step through the control channels until you find one, then go from there.

If you are inclined to find the actual site, the picture to the right shows the two most common antennas you will encounter. (The picture is kind of dark. If you want good pictures, read the Photo column.) This picture is sort of unique, by the way. Even with all the hills around Portland, the two systems share a couple of choice locations in common, and in this case, share a common site. One building is fenced, the other isn't, one has an emergency generator. Both are reached by the same road, with a gate.

One point I didn't make before is to allow yourself at least a couple of hours to monitor each cell site. It depends on the system. First search through the 10 mHz band for a while, note the channels, then determine the number of channel groups. If you then just program in the remaining probable channels you can verify them as they become active. But all systems are different. An AT&T switch seems to rotate among the channels in some semblance of order. Others don't. They will use five or six channels for awhile, then use a different group for awhile. That's why you may want to listen for a while.

Another hitch is that after listening all day, one or two channels may never come up. Well, they could be broke! Go back in a couple of weeks and see if they're in use. A hint - some switches require channels to be taken out of service two at a time, so this may be a clue if two are missing out of a 15 channel pattern. And again, remember not to park on the highest hill in town to search. You'll hear five sites at once and have absolutely no idea which channels go where and how they hand off.

I suggested calling the cellular company to find out the number of cells in your system. A salesperson can, and usually will, tell you this. Many times it's in newspaper articles when they first introduce the service. Don't be calling and asking for the service people or asking all kinds of dumb questions. What with all the talk about cellular privacy lately, this is a touchy subject. Also, many carriers consider even the number of channels per cell site proprietary. They don't want the competition knowing how good (or bad) their system is.

Using a converter for cellular - Yes you do have to be careful. You will get birdies and some TV interference if you get close to a transmitter. Also watch out for reverse image. A phone call on 884.812 just might be a trunked SMRS repeater on 863.2125 (884.812 minus 21.6). You can usually spot these right away, mainly by the on-off keying of the mobile or if you hear a dialtone. (You won't hear a dialtone on cellular unless the guy is using Sprint or something.) I hope this clears up everyones questions.

Next Month - Additional T-band frequencies for L.A. County.

FEDERAL GOV'T and MILITARY

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to:

Dennis Biagioli, 607 W. Pleasant Ave. Villa Park, IL 60181

Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Happy Spring! And do we have a set of frequencies to get your springtime listening off to a great start.

A Kansas member who wishes to remain anonymous has compiled a fantastic list to fit along with the November 1985 issue listing for Eastern Missouri. This list for Western Missouri and Kansas is annotated with "off the air" information.

The author, although wishing to remain unknown to most, would gladly correspond with members about specific contents of the list and to receive corrections and additions. If you'd like to contact the author, enclose your letter to him in a (unaddressed) stamped envelope, and send that to me inside another envelope. I will address the blank envelope to the author and you will hear from him directly.

Frequency	Service	Other information
29.910	US Army, Independence, MO.	Use unknown. F.m. mode, simplex.
30.100	US Army, Ft. Leavenworth, KS.	CGSC (Command and General Staff College) training net.
30.300	US Army, Ft. Leavenworth.	CGSC training.
31.250	US Army.	Installed in Natl. Guard jeeps, KS.
32.050	USN, Wichita, KS.	Voice and data. Use unknown.
32.100	US Army, Ft. Leavenworth.	CGSC training.
32.300	US Army, Ft. Leavenworth.	CGSC training.
32.450	USAF, Ft. Riley, KS.	Air/land mobiles.
	USN, KCI and Wichita, KS.	Voice and data. Use unknown.
32.470	USDA, east central MO.	B/M. See 32.750.
32.500	US Army, Ft. Leavenworth.	CGSC training.
32.700	US Army, Ft. Leavenworth.	CGSC training.
32.750	USDA, east central MO.	Repeater output. See 32.470.
34.100	US Army, Ft. Leavenworth.	CGSC training.
34.200	USAF, Whiteman AFB, MO.	B/M. Use unknown.
34.350	USN, KCI airport.	Use unknown.
34.700	US Army, Ft. Leavenworth.	CGSC training.
34.830	US Fish and Wildlife Service.	Wichita Mtns. Wildlife Refuge, OK; Hartford, Ellis, Quivira, KS; Puxico, MO.
	US FWS, N. Holland, Neosho, MO.	
36.160	VA hospital, Wichita, KS.	Base.
36.450	US Army, Ft. Leonard Wood, MO.	Fixed.
36.550	USN, KCI and Wichita, KS.	Voice and data. Use unknown.
36.700	US Army convoys, Kansas.	
36.850	US Army, Ft. Riley, KS.	Air/land mobiles.
36.900	Kansas Army National Guard, MAST freq., Stormont Vail Hospital, Topeka, for MAST communications.	Authorized for non-government nationwide.
38.300	USN, KCI airport.	

38.650 USAF, Jefferson Barracks, MO. Mobiles.
38.890 US Army Corps of Engineers. St. Louis and Southern Mississippi Valley.
38.900 US Army, Ft. Leavenworth. CGSC training.
38.980 BIA. All NE, ND, SD Indian reservations. Indian Police.
40.150 USAF, Ft. Riley. Mobiles.
40.470 DOE. Major plants nationwide to KCMO. Meteor scatter?
40.500 US Army, Ft. Riley, KS. Air operations.
40.800 USN, KCI and Wichita, KS. Voice and data. Use unknown.
40.900 US Army, Ft. Leavenworth, KS. B/M.
US Army, Ft. Leonard Wood, MO. Fixed.
41.500 US Army, Ft. Riley, KS. Army air operations nationwide.
41.670 DOE. KCMO to major plants nationwide. Meteor scatter?
41.700 Kansas Army National Guard helicopters. "SUNFLOWER".
41.900 USAF, McConnell AFB. A.m. mode.
44.980 Kansas Army National Guard. KHP liason freq. AAF-460.
46.700 US Army, Jefferson City, MO. National Guard a/c?
46.900 Kansas Army National Guard helicopters. Olathe, KS.
49.700 US Army, Wichita, KS. EOD/nuclear teams nationwide.
49.800 USAF, McConnell AFB. A.m. mode.
US Army, Jefferson City, MO. EOD/nuclear teams nationwide.
138.025 US Army, Missouri statewide.
138.200 USAF, Jefferson Barracks., MO. A.m. mode. Air B/M.
138.325 USAF, McConnell AFB, Wichita, KS. Paging. Ch. P.
138.875 USAF, McConnell AFB, Wichita, KS. Missile security.
138.925 US Army, Ft. Leonard Wood, MO. Fixed.
139.000 US Army, Ft. Riley, KS. A.m. mode. Air mobiles.
US Army, Ft. Leonard Wood, MO. Mobiles.
139.100 Kansas Army National Guard aircraft. KS/MO statewide.
139.125 US Army. Ft. Riley, KS. Probable input to 143.050.
Ft. Leonard Wood, MO. Mobiles.
Weldon Springs., MO. Mobiles.
Camp Crowder, MO. Mobiles.
Camp Clark, Nevada, MO. Mobiles.
MO statewide. Mobiles.
139.200 US Army, Wichita, KS. Experimental. A.m. mode.
US Army, Ft. Leonard Wood, MO. Mobiles/portables.
139.250 US Army, MO statewide. A.m. mode. Air mobiles.
139.300 US Army, Ft. Riley. B/M. AAF-478.
139.625 USAF, McConnell AFB. Mobiles.
139.700 USAF, Ft. Riley. Mobiles. A.m. mode.
139.725 USAF, Jefferson Bk., MO. Mobiles.
140.025 FEMA, Regions 1 and 7 (KCMO) repeaters out. Input: 143.000. Simplex: 140.900. KPS-307.
140.250 USN, Olathe, KS. B/M. Use unknown.
140.400 USAF, McConnell AFB.
140.900 FEMA. Simplex in regions 1 and 7.
141.300 US Army, MO statewide. Air mobiles. A.m. mode.
141.325 US Army, Ft. Leonard Wood, MO. CID, B/M. AAF-244. Probable input to 142.325.
141.465 US Army, MO statewide. All f.m. modes authorized.
141.575 USAF, McConnell AFB. Ch. U. Missile Ch. 4. Deactivated.
141.625 USAF, McConnell AFB. Ch. T. Missile Ch. 3. Deactivated.
141.750 USAF, McConnell AFB. Ch. S. Missile Ch. 2. Deactivated.
141.800 USAF, Ft. Riley. Mobiles. A.m. mode.
141.900 USAF, McConnell AFB. Ch. V. Missile Ch. 5. Deactivated.
141.925 USAF, McConnell AFB. B/M. Use unknown.
142.050 USAF, McConnell AFB. Ch. Q. Missile Ch. 1. Deactivated.
142.155 USAF MARS. Input to 143.450. Hutchinson, KS; KCMO.
142.325 US Army, Ft. Leonard Wood, MO. CID, B/M. AAF-224. Probable output of 141.325.
142.400 US Army, MO statewide. All modes.
142.450 US Army, MO statewide. All modes.
142.575 USAF, McConnell AFB. Repeater output. Ch. R.
142.950 US Army, MO statewide. All modes.
142.975 US Army, nationwide.
143.000 US Army, nationwide.
FEMA, Regions 1, 2, 7, 9. Repeater inputs.
143.025 US Army, MO statewide. All modes.

143.050 US Army, Ft. Riley. Possible output of 139.125.
Ft. Leonard Wood, MO.
Camp Crowder, MO.
Camp Clark, MO.
Weldnspr., MO.
143.075 US Army, Ft. Riley. Fixed.
143.150 US Army, Ft. Riley. Fixed.
143.175 US Army, Ft. Riley. Fixed.
143.225 US Army, Ft. Riley. Fixed.
143.400 US Army, Ft. Leavenworth. B/M. AAF-451.
143.425 USAF, McConnell AFB. B/M.
143.450 USAF MARS. Repeater output. Input: 142.155. Missouri FOXTROT 01.
143.460 USAF MARS. Repeater shifted to 143.450.
143.800 MARS. Service unknown. Simplex.
143.900 Civil Air Patrol. Input to 148.150.
143.950 USAF MARS. Simplex net.
143.990 US Army MARS, Topeka, KS. Repeater output. Input: 148.010.
148.010 US Army MARS. Input to 143.990.
148.025 US Army, Ft. Leonard Wood. Repeater authorized.
148.050 USAF, Whiteman AFB, MO. Repeater out.
USAF, Forbes AFB. B/M.
148.065 USAF, McConnell AFB. Ch. A. Mobile telephone. Input to 149.565. "Commander's net".
148.075 USAF, McConnell AFB. Mobiles.
USAF, Robertson, MO. B/M.
USAF, Whiteman AFB, MO. Mobiles.
148.095 USAF, Smoky Hill, KS. B/M. Bombing range.
148.150 Civil Air Patrol. Repeater out. Input: 143.900.
148.200 USAF, Robertson, MO. ANG fire and crash?
148.245 USAF, Whiteman AFB. Runway maintenence. Simplex.
148.300 USAF, McConnell AFB. Mobiles.
148.450 USAF, Robertson, MO. B/M.
148.475 USAF, McConnell AFB. B/M. Engineering, P.O.L. Ch. J.
148.500 USAF, McConnell AFB. Job control.
USAF, Robertson, MO. B/M.
148.545 USAF, McConnell AFB. B/M. Ramp control. Ch. I.
USAF, Forbes AFB. B/M.
USAF, Richards Gebaur AFB. B/M.
148.600 US Army, MO statewide. Air mobile. A.m. mode.
148.625 US Army Corps of Engineers. Catron, MO; Crthrsvl., MO. WUG-21. Several locations in Arkansas.
148.700 US Army, MO statewide. Air mobiles. A.m. mode.
148.800 US Army, MO statewide. Air mobiles. A.m. mode.
148.950 USAF, Whiteman AFB. Fixed.
USAF, Warrensburg, MO.
USAF, Appleton City, MO.
149.125 USAF, McConnell AFB. B/M.
149.150 USAF, Robertson, MO. B/M.
149.175 USAF, Whiteman AFB.
149.205 USAF, McConnell AFB. Runway mainten., civil engineers. Ch. E.
USAF, Whiteman AFB.
149.235 USAF, Whiteman AFB.
149.265 USAF, Whiteman AFB.
149.300 USAF, Richards Gebaur AFB. Security?
149.310 USAF, McConnell AFB. Fixed.
149.475 USAF, Whiteman AFB. Mobiles.
USAF, McConnell AFB. Communications. Ch. N.
149.565 USAF, McConnell AFB. Base mobile telephone output. Ch. B. Input: 148.065 probable.
149.575 USAF, McConnell AFB. Base.
USAF, Whiteman AFB. Base.
149.600 US Army, KS statewide. Mobiles.
US Army Corps of Engineers, Catron, MO. Fixed repeater link to Crthrsvl., MO.
149.650 US Army, Ft. Riley. Fixed, tone modulated.
149.655 US Army Corps of Engineers. Tetrvl., KS. Fixed repeater link to Hulah dam/lake, OK.
149.700 US Army, MO statewide. Air mobiles. A.m. mode.
149.800 US Army, MO statewide. Air mobiles. A.m. mode.
149.875 US Army, Wichita, KS. Experimental. A.m. mode.

149.970 USAF, Richards Gebaur AFB. B/M.
149.975 USAF, Richards Gebaur AFB. B/M.
150.100 USAF, Whiteman AFB. Mobiles.
USAF, Warrensburg and Appleton City, MO. Fixed repeaters
150.195 USAF, Richards Gebaur AFB. Law enforcement. Simplex.
USAF, McConnell AFB. B/M.
150.225 USAF, Richards Gebaur AFB. Mobiles.
150.315 USAF, McConnell AFB. Trans./D.P. Ch. K.
150.350 USAF, McConnell AFB. Fixed repeater. Use unknown.
150.375 USAF, Whiteman AFB.
150.450 Kansas Army National Guard. Domestic disturbance net.
150.525 US Army, Ft. Leavenworth. B/M.
150.675 US Army, Ft. Leavenworth. B/M.
157.050 USCG, Leavenworth, KS. USCG Mo. River Cutter "Gasconade".
157.100 USCG, Leavenworth, KS.

162.0250 BIA, Lawrence, KS. Haskell Indian Junior College. Police and paging. Simplex. KKF-560.
162.1500 National Weather Service. Belleville, Beloit, Concordia, Clyde, Cab, Glenelder, Jamestown, Lovwldm., Nor., KS. Links to Macyville.
National Weather Service. Monette to Springfield, MO. link.
162.2250 V.A. hospital, KCMO. Paging.
162.2500 FAA, Wichita, KS. Fixed.
162.3500 US Army Corps of Engineers. Input to 163.4375 in MO.

NWS forecasting stations omitted from listing.

163.0000 US Post Office. KCK/Shawnee Mission bases KQZ-396.
VA hospital, Columbia, MO.
163.0250 US Army Corps of Engineers, Wpppl1dm., MO. F/M. WUG-22.
163.2250 National Weather Service, US Geological Survey, USAF, River Center, Severe Storms Forecasting Center, Douglas Co., KS E.O.C. Input to 166.0250.
163.2500 US Army, Ft. Riley, KS. Base. AAF-409. Hosp. paging?
163.3250 National Weather Service, KCMO. Data. WXN-74.
163.3750 V.A hospital paging. Location unknown.
USAF, Forbes AFB, Topeka, KS. ANG security.
USAF, Rosecrans Field, St. Joseph, MO. ANG. B/M.
163.4125 US Army Corps of Engineers. KCMO; MO dams and lakes. F/B/M.
163.4375 US Army Corps of Engineers. B/M/Repeater output.
Inputs: 162.3500 and 164.2000. Callsigns:
WUH-5 Kansas City, Missouri, USACE HQ station.

500	Plant service	523	Pomme de Terre
510	Harlan Co.	524	Pomona
511	Truman power plant	525	St. Joseph
512	Rayburn	526	Smithville
513	Clinton, MO	527	Stockton
514	Clinton lake., KS	528	Tuttle Creek
515	Kanopolis	529	Wilson
516	Kansas City area	530	Glasgow
517	Long Branch	531	Jefferson City
518	Melvern	532	Hillsdale
519	Milford	533	Truman
520	Napoleon	534	Longview
521	Perry		Boonville
522	Gasconade		Waverly

Subsidiary communications on 5015 KHz. LSB.
163.4625 USAF, McConnell AFB. Ch. C. Security/law enforcement.
USAF, Forbes AFB.
USAF, Rosecrans field, St. Joseph, MO. B/M.
USAF, Robertson, MO. B/M.
USAF, Ft. Leonard Wood, MO. USAF listed. B/M.
163.4875 USAF, McConnell AFB. Ch. D, a/c security. "Police 3."
USAF, Forbes AFB. Traffic control?
USAF, Rosecrans field, St. Joseph, MO. Security?
USAF, Whiteman AFB formerly listed here.
163.5125 USAF, Whiteman AFB. Police 1-3.
USAF, McConnell AFB. Ch. M. 384th "B". Fueling ops.
USAF, Rosecrans Field, St. Joseph, MO. Mobilephones?

163.5375	Parsons Army Ammunition Plant, KS. B/M/H. AAF-470. USAF, Whiteman AFB. B/M. US Army, Ft. Leonard Wood, MO. B/M. AAF-728. US Army Corps of Engineers. Eastern MO dams and lakes.
163.5625	Sunflower Army Ammmunition Plant, Desoto, KS. Base taxi. AAF-445. Moved to 171.000. US Army, Ft. Riley. B/M. AAF-408. US Army, Ft. Leonard Wood, MO. B/M. AAF-425.
163.5875	USAF, McConnell AFB. Ch. L. 384th "A". Fueling ops. USAF, Rosecrans, MO. B/M. USAF, Whiteman AFB. Law enforcement?
164.0500	FAA, KCMO. B/M listed. Possible former input to 166.1750.
164.1000	US Army, Ft. Leavenworth, KS. Deliveries. AAF-415-6. US Army Corps of Engineers, Wpppl1dm. Mo. Repeater. WUG-22.
164.1500	USDA, Columbia, MO. B/M. KAH-255.
164.1750	V.A. hospital, Topeka. Paging. V.A. hospital, KCMO. Repeater output. Security units 200+, fire units 300+. Former input: 167.9750. V.A. hospital, Wichita, KS. B/M. V.A. hospital, Whiteman AFB, MO.
164.2000	US Army Corps of Engineers. Former repeater output, present input to 163.4375. US Army, Ft. Riley, KS. Mobiles.
164.2250	DOE, KCMO. Bendix plant. KAJ-984.
164.2500	US Department of the Interior. Glenelder, Lovewell, Stockton, Wakeeny, Goodland, KS; W. Nebraska. F/M/R.
164.3750	DOE, KCMO. Plant delivery. KDC-568.
164.5000	Military ambulances, KS and MO. Ft. Leavenworth, AAF-412/7, Ft. Riley; Forbes, Whiteman, McConnell AFB.
164.6250	US Department of the Interior, Kirwin, KS. B/M. KAC-604.
164.7000	US Post Office, KCMO. KFA-906/7. Truck ops.

Abbreviations

AAP Army Ammunition Plant.
bk. Barracks.
CGSC Command and General Staff School, Ft. Leavenworth, KS.
KCI Kansas City International airport.
KCK Kansas City, Kansas.
KCMO Kansas City, Missouri.
KHP Kansas Highway Patrol.
PHS Public Health Service.

That's all we have room for this month, but the list does go on. Tune in next month, same NEWSLETTER, same column.

Our deep thanks to the author for sharing the result of his years of experience in our hobby. It is these real "veterans" that keep our organization going. But I sincerely wish that more members would understand that their knowledge, too, is valuable.

I hear many new members express feelings that they don't know enough to contribute. Bah... not so! If you can add one confirmed catch to one of the lists we are trying to piece together, you've done a great service to many others. Please, if you are one of the bashful many, don't be afraid any longer!

CALL FOR CONTRIBUTIONS OF SPECIFIC AGENCIES

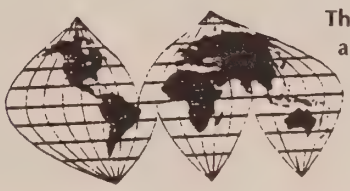
According to the readers' survey, members reported they wanted editors to ask in advance for specific information for widest possible coverage of areas of general interest. Great! Here are the deadlines I need the material by and the specific frequencies requested.

Deadline	Subject area
Apr 15	Veterans' Administration Operates 172 medical centers, 16 domiciliaries, 225 clinics and 99 nursing homes.
May 15	Fed. Aviation Admin. (FAA)--but <u>not</u> VHF aero freqs. Please do not include frequencies between 108 and 136 mHz.

That's it for another month. Hope you have a great one! And, don't forget to support what you asked to see in print! Send those frequencies in now, before you forget! I'll be waiting...

73-
Kenny

INTERNATIONAL



This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to:

Rickey Stein, 456 Barrymore Place, North Brunswick, NJ 08902

NO COLUMN THIS MONTH

MARKETPLACE

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to:

RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550

Please be sure to include your membership number.

All Marketplace ads will be accepted ONLY on special forms available from this column's editor. Send a self-addressed STAMPED envelope (business size) to the address above to receive a supply of forms. Foreign members do not need to include postage on envelopes they send.

ATTENTION:

Members wishing to contact me by way of electronic mail may do so via the following services:

Service:	ID:
COMPUSERVE:	76566,1542
DELPHI:	GMDARCY
PEOPLE LINK:	INF568
MCI MAIL:	286-1087
TELEX:	6502861087

NO COLUMN THIS MONTH

BBS:	Phone Number:
LAWBOARD (PALMDALE, CA)	805-273-8476
TBBS (LANCASTER, CA)	805-948-8047
COLOR CONNECTION 80 (FL)	305-392-5591*

(* = NEW PHONE NUMBER)

MONITORING & THE LAW

Send all articles on, references to, and copies of monitoring laws, as well as questions concerning the legal aspects of monitor radio listening to:

C. Homer (Hank) Rose III (NJ-206), 2 S. Gold Drive, Robbinsville, NJ 08691

It is with a great deal of pleasure that your new editor assumes his duties. During the coming year it is my intention to cover the various legal ramifications attached to monitoring on all levels - federal, state, and local ordinances and statutes will be addressed as information pertaining to these laws becomes available. This effort will be a metamorphosis of sorts, as the laws pertaining to amateur radio in general, and our interest (monitoring) in particular, are constantly changing. Your editor will also cover specific laws in certain areas of the country pertaining to the use of radar detectors and some other items which may be of interest to the membership.

There has been a certain amount of well-deserved paranoia concerning some federal legislation aimed at controlling monitoring of the 800 MHz band.. Specifically, the House of Representatives' bill H.R. 3378 and the Senate bill S. 1667 seem to be causing quite a stir. Your editor has been advised by "reliable sources" that the

future of these bills is most uncertain. Apparently these bills are entirely too ambiguous in definition, and present an absolute nightmare with regard to enforcement capability to be of much use in their present forms. This is not to say that there is not a concentrated effort on the part of some special interest groups, primarily the cellular mobile telephone manufacturers, to have restrictive legislation passed. For those of you who may not be aware of what's going on, or who may have recently joined the membership, Capt Mauldin's excellent column in the January 1986 Newsletter should be required reading. I also had a nice chat with Allen Henney (MD 069), and Allen has assured me that he will keep me abreast of pending legislation in the Washington, D.C., area. Thanks, Allen, this will be most important in the future.

It would appear that we may be in for a fight with regard to the monitoring of certain frequencies, and perhaps even certain spectrums. To what degree your editor is not certain of at this point, and definitely does not want to appear to be an alarmist. Word has filtered down that the cellular mobile phone bill as recently passed by the California legislature was almost immediately repealed. I refer you to Hugh Stegman's (CA-LA 472) letter to the editor in the December Newsletter. As stated, your editor has been unable to verify this information as of the writing of this column, but will endeavor to do so for the next column. Should this bill have been repealed for whatever reason, it is a step in the right direction. It most certainly would not hurt for each of you to keep the heat on your respective legislators and let them know that you are concerned about your rights.

Finally, with all the various legislation that is afoot with regard to monitoring practices throughout the country, you, the membership, must help me to keep information current. Without you my column may well become "de facto", and this would obviously serve no useful purpose. It is a privilege to be aboard in this capacity, and I look forward to hearing from you.....73'S.....

NEW PRODUCT REVIEW

This column is for reports on new products of interest to scanner listeners. Send reports on scanners, antennas, frequency publications and other products related to the hobby to:

James A. Abdu (GA-058), 1203 N. Crossing Way, Decatur, GA 30033

Hello and welcome to this month's New Product Review. There appears to be some activity in the scanner market with many new products being announced and hopefully more to follow. I hope to be able to provide useful information on as many of these items as possible and will only be able to do so with input from members. If you come across information on a new product you think others will be interested in, or if you get a chance to try out a new piece of equipment, please drop me a note with as much information as possible. I will do my best to share it through the newsletter.

This month's feature is the new Regency HX-1200 hand held scanner. This small unit (2 3/4" x 2" x 7 3/4") is replacing the Regency HX-1000, which looks very similar due to the same style rubber keyboard and aluminum chassis. There are some great improvements which really upgrade this receiver. The most noticeable is the addition of fifteen channels to the memory, for a total of 45 channels for scanning.

Channels may be locked out by entering the channel number while in the scan mode and unlocked by entering the channel number a second time while still in the scan mode.

Another improvement over the HX-1000 is the addition of the aircraft bands, thus offering frequency ranges of 25.6 through 60 MHz, 118 through 176 MHz, and 405 through 520 MHz. This addition will cover the needs of many scanning enthusiasts.

The HX-1200 also has most of the common features found on most hand held scanners today, such as priority, mistake clear, manual channel selection, scan delay or no delay selection, search hold, display illumination switch, and a keyboard lock. The published specifications include sensitivity of 0.5uV on UHF and 1.0uV on the aircraft bands.

The HX-1200 is sold with a rechargeable battery pack, AC adapter/battery charger, belt clip, earphone, case, and rubber duckie BNC antenna. It is currently selling for between $210 and $270, with a suggested retail price of $369.95.

This latest hand held offering from Pegency appears to be a high quality, rugged performer available at a reasonable price. It strengthens Regency's line of hand held scanners as an excellent complement to the HX-2000.

I am looking forward to new developments in the hand held market and will present information on new products and developments as I obtain it. Thanks for reading and please feel free to write with any questions, comments, or information.

NEWS MEDIA COMMUNICATIONS

This column is for reporting frequency and radio systems information of news media. Send related reports and questions on newspaper, radio, television, magazine, film production companies, etc. to:

Allen G. Henney, MD-069, 6912 Prince Georges Ave, Takoma Park, MD 20912

I AM HAPPY TO REPORT THAT WE HAVE RECEIVED SEVERAL LETTERS ALREADY BEFORE THE FIRST "AIRING" OF THE NEWSMEDIA COLUMN.

FIRST, I WOULD LIKE TO THANK BRANDT NIEMUTH FOR DOING A GREAT JOB WITH THE NEWSMEDIA & BUSSINESS RELATED TOPICS FOR THE LAST FEW YEARS. I HOPE I CAN BE AS WELL ORGANIZED AS HE IS.

THE FIRST LETTER I RECEIVED CAME FROM ANDREW ROBINS (MI-136) WHO HAS BEEN A PROFESSIONAL BROADCASTER FOR 11 YEARS. PRESENTLY HE IS A LOCAL NEWSCASTER & REPORTER DURING NPR'S "MORNING EDITION" AT STATION WMUK (102.1) IN KALAMAZOO MICHIGAN. HE SENDS US THE BELOW FREQUENCIES FOR HIS AREA WHICH ARE EXTREMELY WELL DOCUMENTED.

WNWN (98.5) COLDWATER, MI 161.7300
WUHQ TV41 BATTLE CREEK, MI 450.6125 RP&SIM <> 455.6125 INPUT
WWMT TV3 (FORMERLY WKZO) KALAMAZOO, MI 166.2500

ANDY TELLS US THAT WWMT HAS BASE TRANSMITTERS BOTH AT THEIR STUDIOS IN KALAMAZOO & AT THE TRANSMITTER SITE IN GUN LAKE, WHERE 166.25 IS ALSO USED BY THEIR ENGINEERING STAFF. WNWN (98.5) USES 161.73 TO RELAY PROGRAMMING FROM A STUDIO IN PORTAGE TO THE MAIN STUDIOS IN COLDWATER. DURING THE DAY THEY FEED SEVERAL PROGRAMS TO THE NEWSROOM VIA THIS FREQUENCY. IT ISN'T EVERYDAY THAT WE HEAR FROM A PROFESSIONAL LIKE ANDY!

OUR NEXT LETTER COMES FROM JOE LEWIS (MD-015). JOE HAS ALWAYS BEEN HELPFUL WITH ALL THOSE THAT KNOW HIM. JOE NOW LIVES IN THE ST. PETERSBURG, TAMPA AREA. HE SENDS US INFORMATION ON THE FIRST TRAFFIC BOAT IN THE USA. RADIO WQYK (99.5) IN ST. PETERSBURG IS PROUD TO HAVE A TRAFFIC BOAT WHICH IS OPERATED BY CAPTAIN JOE HOGUE. WITH ALL THE WATER THEY HAVE IN THE AREA IT MAKES IT EASY FOR THEM TO OBSERVE TRAFFIC ON ALL THE VARIOUS BRIDGES. HERE ARE THE FREQUENCIES JOE SENT US. NOTE THAT ALL FREQUENCIES ARE FOR THE ST. PETERSBURG, TAMPA AREA.

WFLA (93.3) (NBC) 450.7000 (KDY764)
WRBQ "Q-105" (104.7) 161.6400 Q-105 VAN
450.2875 Q-105 AIRPLANE
WQYK (99.5) 450.2125 CAPTAIN JOE HOGUE IN THE WQYK BAYLINER
WTOG TV44 (IND) 450.0875
WTSP TV10 (ABC) 450.1125 (WQB256)
WTVT TV13 (CBS) 450.3500 CH.1 PRIMARY (KFX827)
450.1500 CH.2 CUES
WXFL TV8 (NBC) 450.4500
CLEARWATER SUN NEWSPAPER 173.2250
ST. PETERSBURG TIMES 452.9750 (KIJ366)
TAMPA BAY AREA TRAFFIC WATCH (SYNDICATED) 450.5875
TAMPA TRBUNE 173.3750

I WOULD LIKE TO THANK BOTH JOE LEWIS & ANDREW ROBINS FOR TAKING TIME TO SEND IN INFORMATION. NEXT MONTH I WILL HAVE A LIST OF STUDIO TRANSMITTER LINK FREQUENCIES.

IT IS IMPORTANT TO NOTE THAT THE FREQUENCIES WHICH APPEARED IN THE LAST MONTHS COLUMN CAN BE USED TO RELAY PROGRAM MATERIAL & EXCEPT WHERE NOTED CAN BE USED FOR 2 WAY COMMUNICATIONS RELATED TO THE OPERATION OF THE TV OR RADIO STATION (WHICH INCLUDES NEWS ASSIGNMENT DESKS TOO). MOST STATIONS THAT USE 2 WAY RADIO MAKE USE OF THE REMOTE PICKUP UNIT BAND EVEN THOUGH SOME OBTAIN LICENSES FOR GENERAL MOBILE OR BUSSINESS RADIO SERVICES WHICH THEY MAY OFTEN USE FOR "COVERT OPERATIONS".

UNTIL NEXT MONTH GOOD NIGHT GOOD NEWS & GOOD MONITORING!

photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest. Photographs must be 3 X 5 inches or larger, black-and-white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to:

Hugh Stegman, 11622 Exposition Blvd., #2, Los Angeles, CA 90064

$$$

Next come three shots showing how #1 got there. The erector set in #2 is how your tower comes from Atlas (Tower Structures, Inc.). Some workers are bolting sections together beneath the crane at left. The completed bottom section is at the right.

In #3, more of the bottom takes shape. Note that the finished sections are painted. Photo #4 shows the tower base, and more of the sections ready to go up.

Now the bottom is hoisted into vertical position and guyed (photo #4). A pulley is put into position at the bottom.

In photo #5, a large gin-pole sort of hoist has been raised and secured at the top. In this manner, the successive sections are winched up and bolted in, and the gin pole is raised to the top again. Those little spots near the top are men at work - here is another job for the stout-hearted!

Our last shot is of the big diesel winches doing the hoisting. This particular tower is a big one, and Chuck notes that large Caterpillars had to be attached to the winches to keep them from going up too. Well, that's all the space we have; we'll finish WSIL's tower next month, and look at some helicopter radios... see ya.

PUBLIC SAFETY

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for poilice, sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

Associated Public-Safety Communications Officers, Inc.

OFFICIAL TEN SIGNAL LIST

APCO states the numbering, sequence, words or word phrasing of the below listed signals may no be altered, nor may the reserved signals be otherwise implemented except by APCO. Any user may employ signal numbers upward, beginning with 10-40, as needed for local dispatching. RCMA publishes this listing in support of APCO and their uniform dispatch code efforts. We will print other dispatch codes, different from the OFFICIAL APCO listing, only to assist our membership in their continued monitoring hobby. It is hoped you find this listing useful.

10-1	Signal weak	10-19	(In) contact
10-2	Signal good	10-20	Location
10-3	Stop transmitting	10-21	Call ( ) by phone
10-4	Affirmative (OK)	10-22	Disregard
10-5	Relay (to)	10-23	Arrived at scene
10-6	Busy	10-24	Assignment completed
10-7	Out of service	10-25	Report to (Meet)
10-8	In service	10-26	Estimated time of arrival
10-9	Say again	10-27	License/Permit Information
10-10	Negative	10-28	Ownership Information
10-11	( ) on duty	10-29	Records check
10-12	Stand by (stop)	10-30	Danger/Caution
10-13	Existing conditions	10-31	Pick up
10-14	Message/Information	10-32	( ) units needed (Specify)
10-15	Message delivered	10-33	Help me quick
10-16	Reply to message	10-34	Time
10-17	Enroute	10-35 through 10-39 are reserved for future assignment by APCO. User option 10-40 upward.	
10-18	Urgent		

R.C.M.A. SOUTH CENTRAL

SOUTH CENTRAL

SOUTH CENTRAL

POST OFFICE BOX 5053
AUSTIN, TEXAS 78763-5053

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Alabama, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, and Texas to the above address.

Hello and welcome to the April issue. This is Ken writing this month. This is generally the start of severe weather season in these parts. I hope everyone has their severe weather listening gear in good order. However, yours truly is going to have to replace some radios as they are beginning to konk out, one by one, and most are beyond repair due to the unavailability of replacement parts. Now that's a fine howdy do. Does anyone have a source for some of the old Electra/Bearcat custom made IC chips? If so, please contact me, as I would be interested. Indeed, is there such a place available, period? Uniden/Bearcat has been unable to help me except to offer a discount on some of their current line of products. Personally, I would have preferred repairing my present sets since they contain features which are no longer contained on the newer models. I would presume others have been in this predicament before. How about sharing your results with me?

Griping about the lack of input the other month apparently paid off as we have had a good bit of mail lately, so let's get moving...

From ED (TX-45): Ed sent us a copy of the Houston Fire Department's 32 channel mobile radio plan. Ed notes that though the date on the roster is over a year old, the actual on the air usage of this plan is just now coming into existence.

HOUSTON FIRE DEPARTMENT
32 Channel mobile radio plan

Ch #	TX	RX	CH #	TX	RX
1	458.425	453.425	17	465.550	460.550
2	458.500	453.500	18	465.575	460.575
3	458.675	453.675	19	465.625	460.625
4	458.950	453.950	20		
5			21	453.425	453.425
6	467.950	453.950	22	453.500	453.500
7	467.975	462.975	23	453.675	453.675
8	468.000	463.000	24	453.950	453.950
9	468.025	463.025	25		
10	468.050	463.050	26	462.950	462.950
11	468.075	463.075	27	462.975	462.975
12	468.100	463.100	28	460.575	460.575
13	468.125	463.125	29	460.625	460.625
14	468.150	463.150	30		
15	468.175	463.175	31		
16	465.525	460.525	32		

(Editor's note: The channels with blanks indicate that that info was not available or that channel is not planned on being used.)

From PHIL (TX-97): Phil wrote us once again to let us know he is still alive and well, just a busy photographer/reporter. Phil also sent us his readership survey, which we will take under advisement. Phil provided us with a bit of news from the Montgomery County area. It seems that a lot of plans are on the drawing boards/rumor category concerning the radio systems. One definite fact, Montgomery County is presently constructing a new county radio tower. The tower, when complete, will be 760 feet tall and will be located off of old Magnolia Road, near the San Jacinto River. It will primarily improve the previous "deadspots" in the present Sheriff Dept radio system. It is believed that the county fire and EMS antennas will also be located on this same tower. It should be complete by the time this gets into print.

As part of the above mentioned rumor department, it has been said that the Montgomery County S.O. will go to a two channel system soon. Two repeaters, one dispatch for the Eastern portion of the county and one dispatch for the Western portion of the county.

(Editor's note: This was previously reported in the February 86 col. Stay tuned for confirmation and further details.)

Phil also sent an update profile on the Montgomery County radio systems.

MONTGOMERY COUNTY TEXAS PROFILE

LAW ENFORCEMENT CH's

Sheriff Dept (KKD 302/KWF 998)

Ch 1 155.085 R (153.860 in) S.O. primary (future S.O. East dispatch)
Ch 2 155.250 R (155.640 in) future S.O. West dispatch
Ch 3 & Ch 4 intercity channels
Ch 6 155.460 rx only - DPS ch.
(Note: ch 6 in Woodland units use 155.325/EMS ch)
Ch 7 154.xxx rx only - Fire ch - freq varies with location (see below)
Ch 8 155.325 rx only - EMS (Med Cntr dispatch)

Note: Many SO units are equipped with a programmable transceiver in addition to their regular 8-ch radio. The dept. is licensed for the

input to Harris Co. S.O. Ch 1 (155.910 R out). Montgomery Co. S.O. also dispatches for the following PD's and/or City Marshals: Magnolia, Montgomery, Panorama Vlg, Roman Forest, Cut 'n Shoot, and Willis, among others.

Other PD's

Woodlands Central Dispatch 154.965 R (153.785 in) KYD 971
(Note: Woodlands Central Dispatch is not a city PD per se. However, it does dispatch for District 2 S.O. units, and Oak Ridge & Shenandoah PD's)

Conroe PD 155.010 R (156.150 in)

Panorama Vlg. PD 155.085 R - MCSO Ch 1 - dispatched by S.O.
453.925 R - Panorama Vlg PD mobile phone patch

Splendora PD 154.875 S PD dispatch (also Patton Vlg. PD)
460.300 R - KNFC 590 (new license)- use?

Oak Ridge
& Shenandoah PD 154.965 R Woodlands Central Dispatch
155.685 WNCB 841- "PD ch."-car to car.

Montgomery Co. Constables

Constable Pct 1 - Willis - 154.540 S Pct 1 dispatch (business band license)

Constable Pct 5 - Magnolia - (mobile's channeling)
Ch 1 155.085 - Montgomery Co. SO primary
Ch 2 157.560 - Montgomery ISD ch.
Ch 3 & Ch 4 intercity channels
Ch 5 155.490 S WNAU 966 - Pct 5 primary dispatch
ch 6 to ch 10 ?

Montgomery Co. Wrecker Assn.

37.180 S dispatch for all wreckers
37.260 S ?alternate ch? (not confirmed)

EMS CH's

Montgomery Co. Medical Center (KFM 395)
F1 155.325 S Primary dispatch ch
F2 155.400 S Amb. to Hosp. ch
F3 155.340 S HAHERN - Hosp. net
*F4 - F12 ?
F? 458.125 S HT's to vehicular rptr
* - MICU's have 12 channel radios - various county freqs, including C/C and intercity, and vehicular repeaters are programmed into these channel positions

Doctor's Hosp. / Conroe - 155.400 & 155.340 KFO 268
Woodlands Community Hosp. no radios yet.
Countywide Amb. Svc. / Conroe - 155.160 KNGM 225 - dispatch
155.400 KNGM 225
155.340 KNGM 225

FIRE CH's

Montgomery County Fire Marshal's Office - uses Conroe FD ch 2, 154.250 R

Conroe FD (KKH 773 & KNGB 812)
F1 154.190 R (154.385 in) main dispatch
F2 154.250 R (153.890 in) fireground
F3 154.325 R (154.010 in) fireground
F4 154.280 S mutual aid and fireground

Woodlands Central Dispatch (Public Safety) (KYD 971)
F1 155.040 R (153.845 in) Dispatch for Dept 10- Fire and Rescue (Woodlands)
F2 155.040 M repeater talk-around/fireground

South Montgomery County VFD (KNFX 297)
F1 154.355 S Dispatch & paging (dispatched by Woodlands Central Dispatch)
F4 153.830 M fireground

Magnolia VFD
(KUJ 513 = Stn 1 console;KNGZ 427 = Chief's base;KBM 356 = Stn 2 base)

Ch 1 154.340 R (156.075 in) primary dispatch
Ch 2 153.950 S Tomball FD ch
Ch 3 154.280 S mutual aid ch
Ch 4 155.085 R MCSO ch
Ch 5 155.325 S Mont. Co. EMS ch
Ch 6 155.250 R MCSO Ch/West *
Ch 7 155.085 R MCSO Ch/East *
Ch 8 154.950 S intercity c/c

* - future use channel

other Montgomery County Fire Dept Ch's

*	Cut 'n Shoot VFD	154.340	KNGG 510
	Lake Conroe VFD	154.175	KVA 321
*	Montgomery VFD	154.400	KNGX 604
	No.Montgomery Co. VFD	154.220	KMA 701
	New Caney VFD	154.205, 154.280	WSR 812
*	Porter VFD	154.430, 154.280	KNHE 638
*	Walden VFD	33.600	KNEL 943
*	Splendora VFD	154.145, 154.280	KNJC 270
*	Timberlakes VFD	153.950, 154.280	KNHW 619

* notes unconfirmed

The TX Forestry Service may assist all depts. TFS ch - 159.300.

Thanks, Phil, for the information. As always it is good to hear from you, and your input is certainly appreciated. Next month we will look at Phil's Walker Co. profile.

From BRAD (OH-138): Brad, our regular monthly contributor, sends these additional notes on D/FW listening---

.....Dallas Co./Dallas info.....

-- Dallas County Constables are on an additional channel -- 158.835. The base is in Oakcliff, just like for 155.715, the other constable channel. 155.715 has a base in Garland and Richardson as well.

-- 453.625 is Dallas Co Hospital District security at Parkland Hospital. This is the only traffic on this channel.

-- Dallas PD Ch 7 (460.275) is the "A&I base" (units 600's and 700's). These are accident investigators. These units are also heard on ch 6, 460.175, which may be part of some part time simulcast.

-- Traffic on 156.195 KNGG 351 is down considerably from previous usage. Still no positive ID on the agency, although Texas Municipal Power is located in Ft Worth. (see the Jan 86 col.)

.....Tarrant Co./Ft Worth notes.....

-- Effective 1 April 1986, the new contract ambulance service for Ft Worth will be Hartson & Mercy. (This particular company also serves the San Diego, California, and Las Vegas, Nevada areas.) This contract will be for both Emergency and non-emergency type service.

At the present time, it is not clear whether this company will use the FW Fire Dept radio system or if they will use their own radio system with the FD monitoring their system. Perhaps a California or Nevada member could help provide a clue?

.....adjacent D/FW area notes.....

-- DFW Airport radio are:

Ch 1 460.350
Ch 2 460.450
Ch 3 453.050
Ch 4 453.800

It was previously reported that 453.525, the old Airtrans frequency at DFW Airport, was no longer being used. One time and one time only there was a unit using this frequency. That one time may have been an accidental use of the frequency or it may mean something else. Try and figure it.

-- Johnson Co. S.O. 158.745 R (153.920 input) units: 100's = Sheriff Dept units; 200's = Cleburne PD; 300's Burleson PD; 400's = Alvarado PD; 500's = Keene PD; 800's = Josuha PD; 900's = Glenview PD.

-- Parker Co SO -- 154.725. Units (partial): 790-792 = Springtown PD; 803 = ambulance unit.

-- Collin Co. unit numbers (partial): 600's Princeton PD; 800's = Farmersville PD.

Brad, your input is always appreciated, I hope that some day these notes will motivate others in the DFW area to also contribute.

And now we must close off this month. Thanks to one and all for the contributions this month. We shall see you next month with the latest news.

PUBLIC SAFETY — GREAT LAKES:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Illinois, Indiana, Wisconsin, Michigan, Kentucky, and Ohio:

Jack Waterman, 466 Kings Way, Mundelein, IL 60060

HELLO! Welcome to Public Safety/Great Lakes for April, 1986. The world has closed in on me again and this is already 24 hours late getting to Carol. So those of you who don't like the informal, chatty style get another slim, trim column this month. So far, only **BOB** [OH-157] has asked for the 'old format' to remain. What are your druthers?

--

INDIANA - This material is more from my files. As I promised last month I'll update the state police data for my states over the next several months. Somehow, I've lost the map **DAVE** [IN-002] provided; but ISP uses the same freqs statewide, so that's not a real problem. Here's the run-down on INDIANA STATE POLICE:

Base Stations - Low Band Transmit Freq		
F-1	42.12	INACTIVE
F-2	42.16	Special details, aircraft, etc.
F-3	42.40	INACTIVE
F-4	42.42	Main dispatch channel, statewide

Mobile Units - Low Band Transmit Freq		
F-1	42.26	Mobile to Base
F-2	42.40	XMIT ONLY - RECEIVE 42.42
F-3	42.10	Car to car, statewide
F-4	42.16	Special details, aircraft, etc.

Base Stations - High Band Transmit Freq		
F-1	155.370	Point to point
F-2	155.445	Vehicular repeaters

F-3	155.475	"ILEEN" - Indiana Law Enforcement Emergency Network
F-4		Vacant

Mobile Units - High Band Transmit Freq

F-1	155.445	Vehicular repeaters
F-2	155.475	ILEEN

Since I can't find the map, here's the Area/District information:

AREA 1		AREA 5	
District 11	Toll Road [154.755 mHz]	District 51	Pendleton
District 13	Lowell	District 52	Indianapolis
AREA 2		District 53	Putnamville
District 22	Fort Wayne	AREA 6	
District 24	Bremen	District 61	Peru
AREA 3		District 62	Lafayette
District 32	Terre Haute	AREA 7	
District 33	Bloomington	District 71	Redkey
District 37	Seymour	District 72	Connersville
AREA 4		District 73	Versailles
District 45	Sellersburg		
District 46	Jasper		
District 47	Evansville		

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INDIANAPOLIS - As long as we're doing Indiana this month, here's the scoop on Indianapolis PD freqs:

F-1	460.475	North - ADAM, EDWARD units
F-2	460.450	East - BAKER, FRANK units
F-3	460.400	South - CHARLES, HENRY units
F-4	460.025	West - DAVID, GEORGE units
F-5	460.050	Traffic
F-6	460.100	Investigators
F-7	460.125	Administrative
F-8	460.150	Vice, narcotics, special details
F-9	453.300	Helicopters
	158.850	Administrative, reserves, explorer scouts

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MARION COUNTY SHERIFF - This agency covers the area surrounding Indanapolis. Their radio system is repeaterized and uses this set-up:

F-1	155.610R	North Disptach [155.850 in]
F-2	155.610S	North car-to-car [simplex]
F-3	154.740R	South Dispatch [154.950 in]
F-4	154.740S	South car-to-car [simplex]
F-5	155.010R	Data channel [154.710 in]
F-6	155.475	ILEEN

--

MARION COUNTY RURAL FIRE DISPATCH - Handles dispatch for most of the Fire Departments surrounding Indianapolis, especially on the North and East sides. They operate on **154.130** simplex. I'd like a review of the station numbering system employed; for instance, the Washington Twp Station on East 86th St near North Central High School is Station 23. Readers, please research and contribute.

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ILLINOIS - Next is the second half of the list for Peoria County I started last month. Thanks again **IL-272**, the contributor, who asked to remain anonymous.

LICENSEE	MHZ	SV	USE	CALLSIGN	NOTES
ILLINOIS, STATE OF	453.8750	PL	FBM		CORRECTIONS
ILLINOIS, STATE OF	453.8750	PL	FBM	KAS587	ZELLER
ILLINOIS, STATE OF	458.8750	PL	CO	KAS587	ZELLER
ILLINOIS, STATE OF	31.8600	PO	FBM		JUBILEE PK
ILLINOIS, STATE OF	37.2200	PP	FB	KNAG222	CORRECTIONS
ILLINOIS, STATE OF	37.3600	PP	FBM	KNAG222	CORRECTIONS
ILLINOIS, STATE OF	154.9050	PP	FB	KWK444	DCI
ILLINOIS, STATE OF	155.4600	PP	FB	KWK444	DCI
LIMESTONE TOWNSHIP	453.6250	PL	FBM	KNFL520	HWY. DEPT.
LIMESTONE TWP. FIRE	154.1750	PE	FBM	KSD224	F3 FIREGRND
LIMESTONE TWP. FIRE	154.2650	PE	FBM	KSD224	F2 M-AID
LIMESTONE TWP. FIRE	154.3700	PE	FBM	KSD224	F1 DISPATCH
LOGAN-TRIVOLI FD	154.1750	PE	FB	KFT623	F3 FIREGRND
LOGAN-TRIVOLI FD	154.1750	PE	FB	KSE428	F3 FIREGRND
LOGAN-TRIVOLI FD	154.1750	PE	MO	KJ2360	F3 FIREGRND
LOGAN-TRIVOLI FD	154.2650	PE	FB	KFT623	F2 M-AID
LOGAN-TRIVOLI FD	154.2650	PE	FB	KSE428	F2 M-AID
LOGAN-TRIVOLI FD	154.2650	PE	MO	KJ2360	F2 M-AID
LOGAN-TRIVOLI FD	154.3700	PE	FB	KSE428	F1 DISPATCH
LOGAN-TRIVOLI FD	154.3700	PE	FB	KFT623	F1 DISPATCH
LOGAN-TRIVOLI FD	154.3700	PE	MO	KJ2360	F1 DISPATCH
MEDINA TOWNSHIP	151.0250	PH	FBM		HWY. DEPT.
MEDINA TOWNSHIP	155.0250	PL	MO	KB50928	ESDA
MEDINA TOWNSHIP	155.0550	PL	MO	KB50928	IREACH
METHODIST MED. CENTER	155.3400	PS	FB	KZZ224	MERCI
METHODIST MED. CENTER	155.4000	PS	FBM	KTW461	SECURITY
PEORIA HEIGHTS	154.1750	PE	FBM	KNFM242	F3 FIREGRND
PEORIA HEIGHTS	154.2650	PE	FBM	KNFM242	F2 M-AID
PEORIA HEIGHTS	154.3700	PE	FBM	KNFM242	F1 DISPATCH
PEORIA HEIGHTS	155.0550	PL	MO	KJU336	IREACH
PEORIA HEIGHTS	155.7150	PL	FBM	KJU336	POLICE
PEORIA HEIGHTS	460.2750	PP	MO3		V-RPTR
PEORIA HEIGHTS	460.5250	PP	FB2		DISPATCH
PEORIA HEIGHTS	465.5250	PP	MO		
PEORIA MOBILE MEDICS	155.2200	PS	MO	KA76091	DISPATCH
PEORIA MOBILE MEDICS	155.3400	PS	MO	KA76091	MERCI
PEORIA PARK DIST.	158.8800	PL	FBM	KAS437	POLICE
PEORIA PUBLIC SCHOOLS	159.0900	PP	FBM	KU8709	POLICE
PEORIA, CITY OF	154.0700	PE	MO	KZZ351	F2 FIREGRND
PEORIA, CITY OF	154.1450	PE	FBM	KZZ351	F1 DISPATCH
PEORIA, CITY OF	154.2650	PE	MO	KZZ351	F4 M-AID
PEORIA, CITY OF	154.3700	PE	MO	KZZ351	F3 COUNTY
PEORIA, CITY OF	45.4000	PL	FB	KSZ746	ESDA WEATHER
PEORIA, CITY OF	45.4400	PL	FB	KSZ746	STATE ESDA
PEORIA, CITY OF	155.0250	PL	MO	KEL390	ESDA STWDE
PEORIA, CITY OF	155.0400	PL	FBM	KCJ417	PAGING
PEORIA, CITY OF	155.0550	PL	MO	KNDJ429	IREACH
PEORIA, CITY OF	155.7750	PL	FBM	KEL390	PUBLIC WORKS
PEORIA, CITY OF	155.8050	PL	MO	KEL390	ESDA PRTABLS
PEORIA, CITY OF	155.9250	PL	FBM	KYR205	ANIMAL CONT
PEORIA, CITY OF	158.8800	PL	FBM	KNDJ429	PARK DIST.
PEORIA, CITY OF	453.5000	PL	FB4	KNAI718	ENG., INSP.
PEORIA, CITY OF	458.5000	PL	CO	KNAI718	ENG., INSP.
PEORIA, CITY OF	458.5000	PL	MO	KNAI718	ENG., INSP.
PEORIA, CITY OF	154.8750	PP	FBM	KSA946	ISPERN 2
PEORIA, CITY OF	155.3700	PP	FB	KSA946	INTERSYSTEM
PEORIA, CITY OF	158.7300	PP	FBM	KSA946	F1 DISPATCH
PEORIA, CITY OF	158.8500	PP	FBM	KSA946	COMMAND
PEORIA, CITY OF	460.0500	PP	FB2	KTE551	PREP 1(DISP)
PEORIA, CITY OF	460.2500	PP	FB2	KTE551	PREP 2(INFO)
PEORIA, CITY OF	460.3250	PP	FB2	KZZ320	PREP 3(DETC)
PEORIA, CITY OF	465.0500	PP	MO	KTE551	PREP I
PEORIA, CITY OF	465.2500	PP	MO	KTE551	PREP II
PEORIA, CITY OF	465.3250	PP	MO	KZZ320	PREP III
PEORIA, CITY OF	47.5000	PS	FB	KQS625	ESDA BIIG
PEORIA, CITY OF	47.5000	PS	FB	KSF820	ESDA BIIG
PEORIA, CITY OF	47.5000	PS	FB	KLD674	ESDA BIIG
PEORIA, CITY OF	47.5000	PS	FB	KJU925	ESDA BIIG
PEORIA, CITY OF	47.5000	PS	FB	KLD676	ESDA BIIG
PEORIA, CITY OF	47.5000	PS	FB	KLL528	ESDA BIIG
PEORIA, CITY OF	47.5000	PS	FB	KLD675	ESDA BIIG

PEORIA, CITY OF	47.5000	PS	MO	KK9479	ESDA BIIG
PEORIA, CITY OF	155.1600	PS	FBM	KYH763	DISASTERS
PEORIA, CITY OF	155.2200	PS	FBM	KZP220	C-MED
PEORIA, CITY OF	155.3400	PS	MO	KZP220	MERCI
PEORIA, COUNTY OF	453.4000	PW	FB2	KTH434	HIWAY DEPT
PEORIA, COUNTY OF	458.4000	PW	MO		HIWAY DEPT
PEORIA, COUNTY OF	39.5800	PL	MO	KNBH431	ESDA MOBILES
PEORIA, COUNTY OF	39.9000	PL	MO	KNBH431	ESDA MOBILES
PEORIA, COUNTY OF	45.4000	PL	FBM	KNBH431	ESDA WEATHER
PEORIA, COUNTY OF	45.4400	PL	FBM	KNBH431	STATE ESDA
PEORIA, COUNTY OF	153.7550	PL	MO	KNBH431	ESDA
PEORIA, COUNTY OF	154.2950	PL	FB2	KNBH431	COUNTY ESDA
PEORIA, COUNTY OF	154.2950	PL	FBM	KNBH431	COUNTY ESDA
PEORIA, COUNTY OF	155.0250	PL	FBM	KNBH431	ESDA COMMON
PEORIA, COUNTY OF	155.0550	PL	MO	KNBH431	IREACH
PEORIA, COUNTY OF	453.5000	PL	FB2		ZONING
PEORIA, COUNTY OF	458.7000	PL	MO	KNBH431	ESDA
PEORIA, COUNTY OF	458.7125	PL	CO	KNBH431	CO FOR 45.40
PEORIA, COUNTY OF	39.4600	PP	FB	KSH226	INTERSYSTEM
PEORIA, COUNTY OF	39.4600	PP	FB	KSH226	INTERSYSTEM
PEORIA, COUNTY OF	39.5000	PP	FB	KSH226	STATEWIDE
PEORIA, COUNTY OF	39.5000	PP	FB	KSH226	STATEWIDE
PEORIA, COUNTY OF	39.5000	PP	MO	KB24369	ESDA MOBILES
PEORIA, COUNTY OF	39.6600	PP	MO	KB24369	ESDA MOBILES
PEORIA, COUNTY OF	154.7100	PP	MO	KA5675	NOT USED
PEORIA, COUNTY OF	154.7700	PP	MO	KA5675	F3 INPUT
PEORIA, COUNTY OF	158.7300	PP	FB	KSH226	F1 DISPATCH
PEORIA, COUNTY OF	158.7300	PP	FB	KSH226	F1 DISPATCH
PEORIA, COUNTY OF	158.7300	PP	MO	KA5675	F1 DISPATCH
PEORIA, COUNTY OF	158.7900	PP	FB	KSH226	F2, F3
PEORIA, COUNTY OF	158.7900	PP	FB	KSH226	F2, F3
PEORIA, COUNTY OF	158.7900	PP	MO	KA5675	F2
PEORIA, COUNTY OF	460.2250	PP	FBM		JAIL
PEORIA, COUNTY OF	460.2750	PP	MO3		V-RPTRS
PEORIA, COUNTY OF	47.4600	PS	FBM	KSD295	ESDA SIRENS
PEORIA, COUNTY OF	155.2200	PS	FBM	KNEU405	AMBULANCES
PEORIA, COUNTY OF	155.2800	PS	FB	KNEU405	MERCI
PEORIA, COUNTY OF	155.3400	PS	FBM	KNEU405	MERCI
PEORIA, COUNTY OF	462.9500	PS	FB2	KNEU405	MED 9
PEORIA, COUNTY OF	462.9750	PS	FB2	KNEU405	MED 10
ST. FRANCIS HOSPITAL	155.2200	PS	MO	KRG841	C-MED
ST. FRANCIS HOSPITAL	155.2800	PS	FB	KSZ940	MERCI P-P
ST. FRANCIS HOSPITAL	155.3400	PS	FBM	KRG841	MERCI
ST. FRANCIS HOSPITAL	458.0250	PS	MO	KAI384	SUB-MED 2
ST. FRANCIS HOSPITAL	458.0750	PS	MO	KAI384	SUB-MED 4
ST. FRANCIS HOSPITAL	458.1250	PS	MO	KAI384	SUB-MED 6
ST. FRANCIS HOSPITAL	458.1750	PS	MO	KAI384	SUB-MED 8
ST. FRANCIS HOSPITAL	463.1000	PS	FB	KAI384	MED 5
ST. FRANCIS HOSPITAL	463.1250	PS	FB	KAI384	MED 6
ST. FRANCIS HOSPITAL	463.1500	PS	FB	KAI384	MED 7
ST. FRANCIS HOSPITAL	463.1750	PS	FB	KAI384	MED 8
ST. FRANCIS HOSPITAL	468.0000	PS	MO	KAI384	MED 1
ST. FRANCIS HOSPITAL	468.0250	PS	MO	KAI384	MED 2
ST. FRANCIS HOSPITAL	468.0500	PS	MO	KAI384	MED 3
ST. FRANCIS HOSPITAL	468.0750	PS	MO	KAI384	MED 4
ST. FRANCIS HOSPITAL	468.1000	PS	MO	KAI384	MED 5
ST. FRANCIS HOSPITAL	468.1250	PS	MO	KAI384	MED 6
ST. FRANCIS HOSPITAL	468.1500	PS	MO	KAI384	MED 7
ST. FRANCIS HOSPITAL	468.1750	PS	MO	KAI384	MED 8
TIMBER-HOLLIS FIRE	154.1300	PF	MO	KSE428	FULTON CNTY
TIMBER-HOLLIS FIRE	154.1750	PF	FBM	KSE293	F3 FIREGRND
TIMBER-HOLLIS FIRE	154.2650	PF	FBM	KSE293	F2 M-AID
TIMBER-HOLLIS FIRE	154.3700	PF	FBM	KSE293	F1 DISPATCH
TUSCARORA FD	154.3700	PF	FBM	KYR211	F1
W. PEORIA FIRE DIST.	154.1750	PF	FBM	KSE413	F3 FIREGRND
W. PEORIA FIRE DIST.	154.2650	PF	FBM	KSE413	F2 M-AID
W. PEORIA FIRE DIST.	154.3700	PF	FBM	KSE413	F1 DISPATCH
W. PEORIA FIRE DIST.	155.0250	PL	MO	KNBD911	ESDA
W. PEORIA FIRE DIST.	155.0550	PL	MO	KNBD911	IREACH
W. PEORIA FIRE DIST.	155.2200	PS	MO	KF2549	C-MED
W. PEORIA FIRE DIST.	155.3400	PS	MO	KF2549	MERCI

CHICAGO PD - It's been a while since PS/GL ran anything on CPD. That's probably because most of their system hasn't changed lately. But here's a review of the system for newer members.

CPD primarily uses 8 **CITYWIDE** freqs and 13 **ZONE** freqs, all UHF. The Zone freqs are for regular dispatch purposes; use of the Citywides is covered below. To see what Districts each Zone freq covers, check the two maps nearby.

ZONE RADIO CHANNELS:

Zone	Freq	CPD Districts	Zone	Freq	CPD Districts
1	460.475	16 - 17	8	460.200	4 - 6
2	460.050	19 - 23	9	460.025	5 - 22
3	460.225	13 - 14	10	460.100	10 - 11
4	460.150	1 - 18	11	460.375	20 - 24
5	460.500	2 - 21	12	460.425	15 - 25
6	460.400	7 - 8	13	460.450	9 - 12
7	460.075	3			

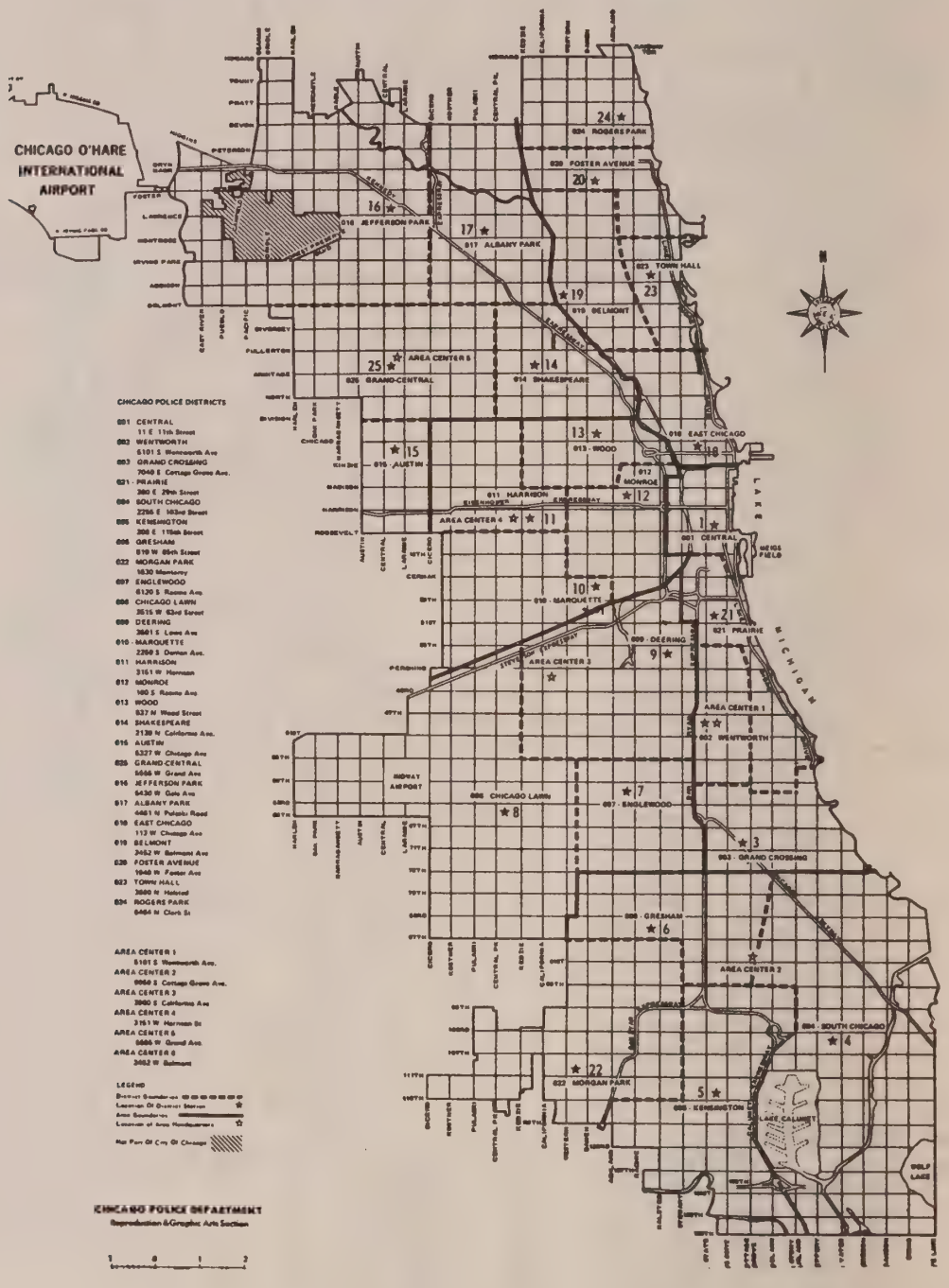
CITY-WIDE RADIO CHANNELS:

CW-1	460.125	Traffic
CW-2	460.175	Detectives & Special Operations Group
CW-3	460.275	"Wants and Warrants"
CW-4	460.325	Youth and Evidence Techs
CW-5	460.350	Coordination for special operations
CW-6	460.250	Coordination for special operations
CW-7	460.300	Command [including phone patch]
CW-8	460.525	TAC

Every District monitors CW's 3, 5, and 6 as well as their own Zone freq. All of the freqs except CW-8 are repeaterized; CW-8 is strictly low-power unit-to-unit.

SPECIAL THANKS TO **MIKE** [IL-014] for the background for this very brief review. **MIKE** has provided all the details I have on CPD, including a multi-page description of the radio system he wrote several years ago.

CITY-WIDE DISTRICT & AREA MAP



OHIO - Here's some more data from **DAVE** and the All Ohio Scanner Club. Through their cooperation I can provide some details on Southwestern Ohio:

Darke County

154.190	Ansonia Fire KQG 850
154.190	Arcanum Fire KQC 980
154.190	Burkettsville Fire KQ 4517 (dispatched by Mercer Co.)
154.310	Burkettsville Fire
154.190	Gettysburg Rural Fire KQG 848
154.190	Greenville Fire Station 1 KBO 791
154.190	Greenville Fire Station 2 KBO 792

154.160	Greenville Fire
154.190	Hollansburg Fire KQG 861
154.190	New Madison Fire KQG 849
154.190	North Star Fire
154.190	Osgood Fire KQG 955
154.190	Pitsburg Fire KNGJ 457
154.190	Rossburg Fire KEQ 704
154.190	Union City Fire KQG 847
154.160	Union City Fire
154.190	Versailles Fire KQG 860
154.280	Statewide Mutual Aid (used by all departments in this listing)
155.655/254.650	Darke County Sheriff WYC 495
155.220	Darke County EMS WSB 923 (Dispatched by Darke Co. SO)
460.075/465.075	Greenville Police
453.450/458.450	Greenville Local Government KNHH 825
453.550/458.550	Darke County Highway Department

New listings from the 1985 FCC Microfiche

159.015	Kettering Street Department KM 9186
453.2625/458.2625	Kettering Local Government
453.6375/458.6375	Kettering Local Government
460.0625/465.0625	Beavercreek Police KEY 903
460.2625/465.2625	Beavercreek Police
460.2875/465.2875	Beavercreek Police
460.4125/465.4125	Beavercreek Police
464.200/469.200	Greene County REACT WNAZ 756
154.890	Beavercreek Police KEY 903

Miami County Police Unit Numbers

200's	Piqua	300's	Tipp City
400's	Troy	600's	Covington
700's	Fletcher	1000's	Pleasant Hill
1200's	West Milton		

The Buckeye State Sheriff's Asociation Codes and Signals are used by the following departments in this listing: Champaign County and Urbana, Darke County and Greenville, and Logan County. Other Codes in usw are:

Miami County Signals

1	Homicide	33	In service
2	Sex offense	34	On portable
3	Hostage	36	East (give location)
4	Bomb threat	37	Out of service
5	Drugs/narcotics	38	Headquarters
6	Vacant house check	39	Locaiton
7	Special Detail	43	Home
8	Mental case	44	Officer in trouble
9	Cannot answer	45	Stop transmitting
15	Warrent	47	Civil paper
16	DOA	66	Jail break
21	Prisoner	99	Emergency radio traffic only
27	Emergency Run		

Miami County Area Frequencies

39.580	Miami County Humane Society
151.205	Miami County Parks
153.620	City of Troy Local Government
154.190	Main Fire and EMS frequency for all Communities in Miami County including: Bethel Township, Casstown, Christiansburg (Dispatched by Miami County Sheriff although it is in Champaign County), Covington, Fletcher, Laura, Ludlow Falls, Piqua, Pleasant Hill, Tipp City, and Troy
154.445	Firegorund for most Miami County Fire Departments
155. 040	West Milton Local Government
155.055	Covington Local Government
155.130	Covington Police
155.190	Piqua, Troy, and Tipp City Police
155.280	Tipp City Ambulance
155.325	Tipp City Ambulance
155.400	Tipp City Ambulance
155.655/154.650	Miami County Sheriff
156.180/159.060	Miami County Engineer

158.805	Tipp City Local Government
158.865	Piqua Local Government
158.910	Tipp City Wireless Alarms
453.850/458.850	Monroe Township Engineer

Champaign County Area Frequencies

154.875/155.970	Champaign County Sheriff KZE 754
154.875/155.970	Urbana Police KQA 422
154.845	St. Paris Police
153.890	Champaign COunty Fire Network KQS 619 All Champaign County Fire Departments except North Lewisburg and Christiansburg are Dispatched by the Champaign County Sheriff on 154.875, and then use 153.890 once out of the station.
153.890	Christiansburg Fire KCT 631
154.190	Christiansburg Fire KCT 631 (dispatched by Miami Co.SO)
153.890	Adams Township/Rosewood KNAX 701
153.890	Mechanicsburg Fire KQH 258
153.890	Saint Paris Fire KQH 240
154.250	North Lewisburg Fire KNEX 486
155.160	North Lewisburg EMS
33.980	Urbana Fire KCW 649 (dispatched by PD on phone)
158.760	Urbana Street Department KVN 529
155.085	St. Paris Street Department KNBK 222
155.805	Champaign County Civil Defense KNCG 856
453.950/458.950	Champaign County Engineer

Logan County Area Frequencies

155.700/154.770	Logan County Sheriff KQA 776
155.700/154.770	Bellefountaine Police KQD 767
37.980	Logan County Road Department KCN 843
155.265	Robinaugh Ambulance Service KKR 602
155.160	Esch Ambulance Service KNEC 947
154.355	Logan County Fire Network WSW 629 (All Logan County Fire Departments are dispatched by the Logan County Sheriff unless otherwise noted)
154.355	Bellefountaine Fire KDV 724 (dispatched by PD)
154.010	Bellefountaine Fire Fireground
154.355	Belle Centre Fire KCP 980
154.160	Belle Centre Fire
154.355	Degraff Fire KFR 373
154.355	East Liberty Fire
154.355	Huntsville Fire KTB 225
154.355	Lakeview Fire WQN 830
154.355	Quincy Fire KFR 375
154.355	Ridgeway Fire KNEN 817
154.160	Ridgeway Fire
154.355	Rushcreek Township/Rushsylvania Fire KZW 820
154.355	West Liberty Fire KXW 610
153.890	West Liberty Fire
154.355	West Mansfield Fire
154.355	Tri Valley/Zanesfield Fire KQB 563

Preble County

154.190	Eaton Fire KDA 342 (Eaton dispatches most Preble County Fire and EMS units)
154.190	New Paris Fire KQH 305

Unit Numbers

68203	Eaton Squad 1
68205	Eaton Squad Backup
68261	New Paris Squad 1
68263	New Paris Squad Backup
68241	Camden Rescue Squad 1
68242	Camden Rescue Squad Backup
68271	West Alexandria Squad
68281	West Manchester Squad
68285	Gratis Squad
68213	Lewisburg Squad

CLOSING COMMENTS - Here are a couple of goodies picked up at the last meeting of the Chicago Chapter. The crew taping the "Lady Blue" TV series have been monitored on **173.375** mHz [F-1] and **173.225** [F-2]. The MEDSTAR helicopter has been monitored on CPD Citywide 2 **460.175.**

Please continue your support and input. I sincerely hope the Easter season brings you at least some of the many blessings I receive. And don't forget the Column motto:

TRACK 'EM DOWN !! WRITE 'EM UP !! SEND 'EM IN !!

PUBLIC SAFETY — NORTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — New England states, New York, Pennsylvania, New Jersey, Maryland, Delaware, and District of Columbia:

Tom Ernst, 207 Milltown Rd., Springfield, NJ 07081

Hello again from the Garden State. Time sure seems to fly by between columns.

As you all should be aware our right to monitor communications is once again being challenged. Senate Bill #S1167 and House Bill# HR3378 are now in committee in Washington. The "Electronic Communication Privacy Act of 1985" as it is known is a blatant attempt to make it illegal for you to listen to cellular phones. Furthermore it would be also illegal to manufacture, sell or own a radio capable of receiving these frequencies.

Frankly I cannot stand to listen to phone conversations but passage of this bill could open the door to various problems. What's going to stop the local police agencies from saying that if its wrong for you to listen to phone calls it must surely be wrong to listen to police communications. All they would have to do is gather some political support and you can kiss your scanner manufacturers goodbye.

These pair of bills are being pushed by your Reach Out And Touch Someone phone companies and Cellular phone manufacturers. And you can bet your Bearcat 250 scanner that many Senators and Congressman have Cellular phones in their chauffeur driven vehicles also. You can let your imaginations run wild thinking of reasons why these politicians are trying to pass these bills.

So Comrades, for once in our lives lets all get off our derriere's and write our Senators and Congress and protect our rights. A simple call to your library or your city hall can get you their names and addresses in Washington. Remember that police and fire also use 800mhz.

Tom- NJ-164 (Hey thats me) : Springfield N.J. Police
WIF-982 (470.4875R)

CODES:

10-1	Return to headquarters
10-4	Acknowledged
10-7	Out of service
10-8	In service
10-9	Repeat
10-12	Stand by
10-20	Your location
10-23	At scene
10-24	Completed assignment
10-36	Time check
10-38	Vehicle stop
10-41	Start tour of duty
10-42	End tour of duty
10-49	Traffic light out
10-50	Accident
10-73	Call by phone or box
10-86	Alarm condition

20-01	Murder	20-18	Narcotics
20-02	Rape	20-19	Gambling
20-03	Armed robbery	20-30	Unfounded
20-04	Assault		
20-05	B&E		
20-06	Larceny		
20-07	Auto theft		
20-08	Assaults (non violent)		
20-09	Arson		
20-10	Counterfeiting		
20-11	Fraud		
No 20-12			
20-13	Stolen property		
20-14	Malicious Mischief		
20-15	Carrying weapons		
20-16	Vice		
20-17	Sex offense		

NEW YORK: YONKERS FIRE DEPARTMENT (46.50)

10-2 RETURN TO QUARTERS
10-3 CALL DISPATCH
10-4 ACKNOWLEDGE
10-5 REPEAT
10-6 STANDBY
10-7 VERIFY ADDRESS
10-8 IN SERVICE
10-9 OFF THE AIR
10-11 RADIO TEST
10-12 1ST ARRIVING UNIT GIVE REPORT
10-13 RIG BROKE DOWN
10-14 WHAT IS YOUR LOCATION
10-15 SEND POLICE
10-16 SEND AMBULANCE
10-17 SEND CON EDISON (POWER UTILITIES)
10-18 RETURN ALL BUT 1ST ENGINE & TRUCK
10-19 RETURN ALL UNITS BUT ONE
10-20 PROCEED AT REDUCED SPEED

PRELIMINARY REPORTS(FIRES)

10-21 BRUSH FIRE
10-22 OUTSIDE RUBBISH
10-23 CLOGGED INCINERATOR
10-24 CAR FIRE
10-25 DEFECTIVE OIL BURNER
10-26 FOOD ON STOVE
10-27 MANHOLE
10-28 INSIDE RUBBISH
10-29 STRUCTURE FIRE
10-30 WORKING FIRE - SEND FULL ASSIGNMENT
10-31 BOMB SCARE
10-32 ACCIDENTAL ALARM
10-33 ALARM MALFUNCTION
10-34 AUTO ACCIDENT
10-35 DEFECTIVE ALARM SYSTEM
10-36 ASSISTANCE CALL

10-66 FIREFIGHTERS REQUIRE ASSISTANCE
10-71 INJURY
10-72 DEATH
10-73 CONTACT ARSON SQUAD
10-84 UNIT ON SCENE
10-92 FALSE ALARM

TOM N.J.-164: BALTIMORE COUNTY POLICE
CHANNEL A - GARRISON - 39.42
CHANNEL B - DUNDALK - 39.44
CHANNEL C - COUNTYWIDE - 39.56
CHANNEL D - WOODLAWN/WILKINS - 39.62
CHANNEL E - COCKEYSVILLE/TOWSON - 39.72
CHANNEL F - ESSEX - 39.84
CHANNEL G - PARKVILLE/FULLERTON - 39.96
CHANNEL H - 39.78
AUXILIARY - 39.92

PRINCE GEORGE'S COUNTY MD

FIRE FREQUENCIES:
F1- 495.0125 AMBULANCE & ADMINISTRATION
F2- 494.8375 DISPATCH & NORTH OPERATIONS
F3- 494.7875 FIREGROUND SOUTH COUNTY
F4- 495.0625 FIREGROUND NORTH COUNTY
F5- 494.7875 FIREGROUND SOUTH COUNTY MOBILES & PORTABLES
F6- 495.0625 FIREGROUND NORTH COUNTY MOBILES & PORTABLES
F7- 494.6625 DISPATCH & SOUTH OPERATIONS
154.28 STATEWIDE MUTUAL AID
46.12 STATION ALERTING AND PAGERS

FROM KEITH CT-042 : MILFORD CT. FD.RADIO CODES (154.34)

10-1 NOTHING SHOWING
10-2 HEAVY SMOKE SHOWING
10-3 WORKING FIRE
10-4 MESSAGE RECEIVED
10-5 MALICIOUS FALSE ALARM
10-6 ACCIDENTAL FALSE ALARM

10-7 RECALL
10-8 BOMB SCARE
10-9 OUT OF SERVICE
10-10 CHIEF TO SCENE
10-11 ASST. CHIEF TO SCENE
10-12 SEND FIRE MARSHALL
10-13 BATTALION CHIEF TO SCENE
10-14 PD TO SCENE
10-15 REQUEST AMBULANCE
10-16 REQUEST MECHANIC
10-20 ON THE AIR
10-21 OFF THE AIR
10-22 APPARATUS ACCIDENT
10-25 RADIO TEST
10-26 DEPARTMENT MEMBER INJURED
10-30 ALL UNITS RETURN
10-31 RETURN ALL BUT 1ST DUE
10-32 IN SERVICE
10-40 CALL HQ. BY PHONE
10-41 YOUR LOCATION?
10-51 CHANGE LOCATION(COVER)
10-55 PRIORITY CALL

EDITORS NOTE: As you may notice that the frequency is the input (mobile) for the Newark N.J. Fire Dept. I have monitored Milford Ct. from my home on many occasions. Although you may not hear the rigs, the dispatcher seems to repeat the messages.

FROM KEITH CT-042 WATERBURY CT EMS RADIO SIGNALS (462.950)

1 PRIORITY PATIENT
2 NON-PRIORITY PATIENT
3 CARDIAC ARREST
4 DOA
6 MATERNITY
7 OVERDOSE
8 UNRULY PATIENT
10 MVA
12 ROUTINE TRANSFER
13 RETURNING TO QUARTERS
16 FALSE ALARM
17 NO SERVICE
18 CALL BY PHONE
19 ST. MARYS HOSPITAL
20 WATERBURY HOSPITAL
22 PRIVATE EMERGENCY
23 RESCUE ASSIST
24 FIRE ASSIST
25 RESPOND ANOTHER AMBULANCE
26 POLICE ASSIST
27 RECEIVED A CALL-BACK
28 RESPOND NO LIGHTS OR SIREN
33 ENROUTE
34 ARRIVED(OFF THE AIR)
36 OUT OF SERVICE
37 AT QUARTERS
38 RADIO TEST
50 WHAT IS YOUR LOCATION?

PENNSYLVANIA UPDATE:

Many larger cities as you may know have the Emergency 911 calling system. Basically this is nothing more than a centralized emergency reporting system. The overall concept of this system is to give the public a simplified phone number to use in emergencies. The problem with this system was that it was not fool proof. With the older version of the 911 their was little or no way to call back the number where the emergency originated from. Thus if the caller hung up before the address was given or the type of emergency was known it was possible that no help would be sent until another call was received.

Quite recently the Enhanced 911 system was introduced. In 1985, Butler County Pa. became the first in that state to utilize this new concept. With this system the calling parties phone number and the time and date of the call are automatically recorded and a printout provides a record of the call. This now virtually eliminates some nut from calling in bomb scares and false fire and police alarms.

The Butler County 911 Communications Center serves about 150,000 people and employs about 25 people. All emergency calls are now channeled through this center to the appropriate agencies. According to an employee of United Telephone Service of Pa., their are only about 60 similar systems in the country today.

The State of New Jersey recently authorized for a feasibility study to have the entire state 911 equipped.

Well thats about it for now. I hope that you members start to send in items for your column. I do not need them typed. I only ask that they be legible. Also if for whatever reason you do not want your name printed I will keep it in strictest confidence. I have very little information from the Northern most New England States as well as some other areas covered by this column. If your area has been neglected please send it in.

Happy Monitoring and 73's

PUBLIC SAFETY — NORTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details and questions as follows — Iowa, Kansas, Missouri, Nebraska, N. Dakota, S.Dakota, and Minnesota:

Kurt Swaney, P.O. Box 1198, Manhattan Beach, CA 90266-8198

NEWS: When I started to prepare this month's column, I had not anticipated the amount of information available. Because of this I was forced to slim down the Service Topic from Local Government, Schools and Universities to just State Universities. I hope I did not leave out your favorite school. If I did, please send in your information.

The Major City section was originally scheduled for just Omaha, but when I realized that Council Bluffs is adjacent to Omaha, it was obvious that both should be included. Please note this change in your editorial schedule (February 1986) for future reference.

SERVICE TOPIC: State Universities

This month's Service Topic is a compilation of information on state university frequency information. Your corrections/additions are encouraged.

PD: a police department staffed by sworn officers
security: a security department staffed by civilians.
OPS: the universities' maintenance personnel

Iowa State University:

151.655	S	?	Ames	WZP 628
151.745	S	memorial union	Ames	KNEL 448
154.515	S	?	Ames	KKP 337
154.570	S	?	Ames	KKP 337
154.600	S	?	Ames	KKP 337
154.770	S	PD	Ames	WFW 227
157.560	S	?	Ames	KRD 374
158.895	S	?	Ames	KSL 953
161.625	?	?	Ames	BLP 00453
161.730	S	?	Ames	KEH 591
174.000	?	?	Ames	BLP 00024
460.100	R	PD	Ames	KAJ 316
460.200	R	PD	Ames	WFR 421
463.575	R	?	Ames	KNBQ 278
464.500	S	athletics (in use?)	Ames	?
464.550	S	athletics (in use?)	Marshalltown	?

University of Iowa:

33.040	S	hospital/clinic	Iowa City	KLK 743
37.260	S	PD ?	Iowa City	KBD 918
45.360	S	?	Iowa City	KRC 746
45.400	S	OPS ?	Iowa City	KLY 258
151.625	S	athletics ?	Iowa City	?
152.0075	PG	hospital/clinic paging	Iowa City	WXR 228
155.160	S	hospital/clinic ?	Iowa City	KS 7084
155.175	S	hospital/clinic ?	Iowa City	KS 7084
155.205	S	hospital/clinic ?	Iowa City	KS 7084
155.220	S	hospital/clinic ?	Iowa City	KS 7084
155.235	S	hospital/clinic ?	Iowa City	KS 7084
155.340	S	IA EMS mutual aid	Iowa City	KS 7084
155.400	S	hospital/clinic ?	Iowa City	KS 7084
155.880	S	OPS ?	Iowa City	KJU 286
158.925	S	OPS ?	Iowa City	KLY 258
161.760	S	radio station ?	Iowa City	KA 62425
453.500	R	OPS ?	Iowa City	KNIT 458
453.750	R	OPS ?	Iowa City	WXK 584
453.975	R	OPS ?	Iowa City	KYK 481
461.825	R	hospital/clinic ?	Iowa City	KLU 783

Kansas State University:

151.625	S		athletics ?	Manhattan	?
153.800	R		OPS ?	Manhattan	KQW 349
153.860	S		PD ?	Manhattan	KDK 756
153.995	S		?	Manhattan	KA 82000
154.025	S		OPS ?	Manhattan	KRG 708
154.600	S		athletics ?	Manhattan	?
155.205	S		hospital/clinic ?	Manhattan	KVM 227
158.760	S		PD	Manhattan	KDK 756
158.820	R		OPS ?	Manhattan	KQW 349
161.700	S		radio station	Manhattan	KGI 332
453.250	R		parking ?	Manhattan	KNBA 835
462.750	PG		paging ?	Manhattan	WSE 961

University of Kansas:

39.360	S	F1	PD (alternate)	Kansas City	WXM 680
39.360	S	F1	PD	Lawrence	KWO 610
39.460	S		PD (KS intersystem)	Lawrence	KAA 242
39.580	H,B	F3	PD (KS mutual aid)	Kansas City	WXM 680
39.580	H,B	F3	PD (KS mutual aid)	Lawrence	KAA 242
39.700	M	F2	PD (KS mutual aid)	Kansas City	WXM 680
39.700	M	F2	PD (KS mutual aid)	Lawrence	KAA 242
152.990	S	F1	KANU radio	Lawrence	WZB 695
153.170	S	F2	KANU radio	Lawrence	WZB 695
154.515	S		athletics	Lawrence	KYL 217
154.540	S		dormitory security	Lawrence	KRW 965
155.040	S		OPS	Lawrence	KCQ 315
155.040	S		recreational services	Lawrence	KAN 753
155.295	S		shuttle bus	Kansas City	KYT 265
450.925	S		KANU remote prod unit	Lawrence	WQA 955
453.100	R	F1	parking	Lawrence	KNBN 573
460.275	R		PD	Kansas City	KIA 790
460.275	R		PD detectives, security	Lawrence	KTH 420
462.750	PG		paging	Lawrence	WRT 591

Wichita (KS) State University:

453.150	R		?	Wichita	KAN 788
453.450	R		?	Wichita	KAN 788
460.500	R		PD	Wichita	KSM 278

University of Minnesota:

33.020	S		ambulance ?	Minneapolis	KRC 582
39.180	S		?	Rosemount	KJI 555
151.625	S		statewide		
154.115	S		?	Crookston	KUS 487
154.115	S		?	Morris	KTK 705
155.325	S		hospital/clinic ?	Minneapolis	KDW 848
155.340	S		MN EMS mutual aid	Minneapolis	KDW 848
155.775	S		parking	Minneapolis	KNBH 918
155.895	S		?	Duluth	KGV 293
155.895	R		PD ?	Minneapolis	KBY 407
155.895	S		?	Waseca	KVF 549
453.100	R		PD	Minneapolis	KGU 997
460.075	R		PD	Minneapolis	KVZ 667
462.850	R		hospital ?	Minneapolis	KYP 348
465.275	I	F8	PD (metro emergency)	Minneapolis	KVZ 667
465.300	I	?	PD ** use? **	Minneapolis	KVZ 667

Central Missouri State University:

151.775	S		?	Warrensburg	KVO 300
151.895	S		?	Warrensburg	KFU 656
155.130	S		PD	Warrensburg	KRZ 868
155.370	S		PD (MO intersystem)	Warrensburg	KRZ 868
455.650	I		radio? (Jo Co Broadcasting)	Warrensburg	WQA 925
455.750	S		radio station ?	Warrensburg	WQA 925

Northeast Missouri State University:

155.055	S		?	Kirksville	KTY 967
155.130	S		PD	Kirksville	KGW 644
155.280	S		hospital/clinic ?	Kirksville	KTK 775
155.340	S		MO EMS mutual aid	Kirksville	KTK 775
155.550	S		PD	Kirksville	KGW 684
med channels			hospital/clinic ?	Kirksville	KTK 775

Northwest Missouri State University:					
154.570	S		OPS ?	Maryville	WXC 478
161.670	S		radio station ?	Maryville	KSM 818
453.225	S		?	Maryville	KVV 814
461.025	R		PD ?	Maryville	WXC 478
University of Missouri:					
43.000	S		?	Columbia	KAL 686
152.360	S		?	Columbia	KSD 969
153.965	S		OPS ?	Columbia	KNGS 417
154.965	S		OPS ?	Columbia	KNGS 417
155.145	S		?	Kansas City	KNAI 244
155.265	S		hospital/clinic ?	Columbia	KLS 409
155.340	S		MO EMS mutual aid	Columbia	KLS 409
155.370	S		PD (MO intersystem)	Columbia	KAL 220
155.550	S		PD	Columbia	KAL 220
157.740	S		?	Columbia	KVE 253
161.700	S	?	radio station ?	Columbia	KK 4335
161.760	S	?	radio station ?	Columbia	KK 4335
med channels			hospital/clinic ?	Columbia	KLS 409
University of Nebraska:					
151.625			statewide		
450.450	R		television ?	Lincoln	KUK 205
460.125	R		PD	Lincoln	KKL 457
461.225	R		OPS ?	Lincoln	KML 481
North Dakota State University:					
151.175			?	Bottineau	KDC 27
154.085			?	Fargo	KEQ 277
453.350			PD	Fargo	KNCU 969
453.950			?	Fargo	KNCR 711
461.900	R		?	Fargo	WQU 242
University of North Dakota:					
154.085	S		?	Grand Forks	KCE 304
157.620	S		?	Grand Forks	KSU 275
158.730	S		PD	Grand Forks	KRZ 254
158.805	S		OPS	Grand Forks	KRW 221
453.225	S		OPS ?	Grand Forks	KNFS 804
462.925	PG		paging	Grand Forks	KNBC 582
South Dakota State University:					
46.580	S		?	Brookings	KRL 389
158.895	S		?	Brookings	KYQ 82
158.995	S		?	Brookings	KWO 53
453.350	R		PD ?	Brookings	KXA 208
453.450	R		?	Brookings	KNBV 946
453.550	R		?	Brookings	KNBV 946
University of South Dakota:					
46.520	S		PD ?	Vermillion	WQO 448
46.560	S		PD ?	Vermillion	WQO 448
152.360	S		?	Vermillion	KNFH 403
155.805	S		OPS ?	Vermillion	KSN 271
155.865	S		PD	Vermillion	KSN 271
453.575	R		?	Vermillion	WYJ 891

MAJOR CITY: Omaha, NB and Council Bluffs, IA area

April's Major City is the Omaha, NB and Council Bluffs, IA area. With a population of 312,000, Omaha is Nebraska's largest metropolitan area. Omaha is considered the "Crossroads of the Nation" because of its involvement in the early westward expansion of America. Omaha is located in Douglas county, NB, on the east border of Nebraska. Council Bluffs, IA is adjacent to Omaha on the IA side of the state border (the Missouri river). Council Bluffs has a population of 57,000 and is in Pottawattamie county, IA. The Omaha/Council Bluffs area is located at the intersection of I-80 and I-29.

Much of this frequency information came from Don, NB-014, an Omaha resident. Corrections/additions are requested. An Omaha P.D. district map, also provided by Don, is available in exchange for an S.A.S.E.

System Abbreviations

R:	repeater system output frequency	B:	base station
I:	repeater system input frequency	M:	mobile
H:	half-duplex radio system	PG:	paging only
S:	simplex radio system	V:	vehicular repeater

("H" implies standard B-M, M-M and M-B frequency pairings)

Services

CBFD	Council Bluffs FD	NHP	Nebraska Highway Patrol
CBPD	Council Bluffs PD	OFD	Omaha Fire Department
DCS	Douglas County Sheriff	OPD	Omaha Police Deparment
IHP	Iowa Highway Patrol	PCS	Pottawattamie Sheriff

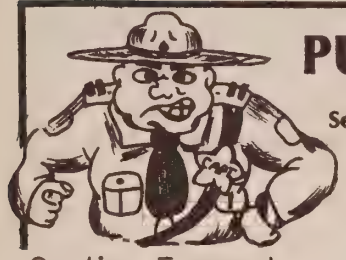
43.000	S	?	American National Red Cross		KQF 519
47.420	S	?	American National Red Cross		KTZ 507
47.460	S		Nebraska Methodist Hospital Corp		KSM 999
47.500	S	?	American National Red Cross		KTZ 507
152.0075	PG		Archbishop Bergan Mercy Hospital		KNAK 648
152.0075	PG		Immanuel Medical Center		KBF 618
155.160	S		Archbishop Bergen Mercy Hospital		KJU 201
155.175	S		Omaha Docter's Building		WQX 972
155.220	S		Sky Med Helicopter, Lincoln		KZE 694
155.265	S		Bishop Clarkson Memorial Hospital		KSM 296
155.325	S	?	St. Joseph Hosp Lifeflight	(primary)	KJU 346
155.340	S	?	St. Joseph Hosp		KJU 346
155.400	S		Immanuel Medical Center		KJK 771
163.250	PG		Lutheran Medical Center		KGI 746
461.825	R	?	Omaha Ambulance Service		KYP 854
462.100	R		American Ambulance		?
462.775	R	?	Bishop Clarkson Mem Hosp	(security?)	WZR 644
462.850	R	?	St. Joseph Hospital	(security?)	WRK 786
462.950	R	?	St. Joseph Hosp	(in use?)	KJU 346
462.975	R	?	St. Joseph Hosp dispatch		KJU 346
463.825	R	?	Immanuel Medical Center	(security?)	KSC 759
463.925	R	?	St. Joseph Hospital	(security?)	WSO 694
464.450	R	?	Nebraska Methodist Hospital	(security?)	KOG 419
464.700	R	?	St. Joseph Hospital	(security?)	KOH 869
med channels			St. Joseph Hospital		KJU 346
155.160	S		Mercy Hospital Lifeflight		?
155.235	S	F2	PCS rescue (IA statewide/area EMS)		?
155.340	S	F1	PCS rescue (IA statewide EMS)		?
460.550	R	?	Mercy Hospital	(dispatch?)	WRU 798
39.820	S	F3	OFD rescue (NB statewide EMS)		KTC 920
39.980	S	?	VFD (Douglas County?)		KXJ 229
154.010	S	F1	OFD dispatch/admin		KSL 321
154.190	S	F2	OFD tactical		KSL 321
460.600	M	?	OFD investigation		WQR 203
154.250	R	F2	CBFD fireground		KAN 839
154.280	S	F3	CBFD mutual aid (IA statewide FD)		KAN 839
154.345		?	CBFD training		correct?
154.400	S	?	County FD (Pottawattamie?)		?
154.430	S	F4	CBFD command		KAN 839
154.445	R	F1	CBFD dispatch		KAN 839
39.820	S		DCS (NB statewide EMS)		KJK 802
39.900	S		DCS (NB statewide law enforcement)		KJK 802
39.980	S		DCS (NB statewide fire mutual aid)		KJK 802
154.950	R	F1	DCS detectives		KAB 321
155.020		F2	DCS (use?)		
155.070	R	F4	DCS information		KAB 321
155.130	R	F3	DCS dispatch		KAB 321
158.760	S		Omaha Civil Defense		KAL 805
453.275	R	?	?		WZJ 451

453.475	R	?	?	KZR 446
154.830	S	?	PCS	WSB 944
154.860	R	F1	PCS dispatch	WZY 413
155.310	B	F2	PCS information	KBU 685
155.475	S	F4	PCS (nationwide mutual aid)	KBU 685
155.685	R	F3	PCS (IA LEA)	
155.370	B	?	PCS (use?)	KBU 685
155.850	M	?	PCS (use? paired w/155.370?)	
155.910	M	F2	PCS (use?)	
42.200	S?		NHP special assignments	KA 6007
42.300	M		NHP M-B	KA 6007
42.460	H,B		NHP Troop A (Omaha)	KAB 309
155.655	R	F2	IHP DPS Post #3	?
155.685	R	F2	IHP LEA Area #2	?
453.625	V		vehicular repeater	
156.800	16		Marine Hailing & Distress	
157.100	22A		Coast Guard, Missouri River	
162.400			NOAA Weather Radio (Omaha)	
152.480	S		Boys Town Institute	KNDX 879
154.085	S	?	Omaha Airport Authority (operatons?)	KTX 692
154.515	S		Law Enforcement Explorers(?)	WYY 402
155.010	S		Boys Town (security?)	KAA 490
453.425	R	F1?	Metro Transit (Police?)	?
453.525	R	F2?	Metro Transit (Police?)	?
461.275	R	?	Pinkertons Inc	WGZ 42
461.375	R	?	Wells Fargo Armored (comm rptr)	KNBJ 561
461.125	R	?	Omaha Public Schools (security?)	KZD 587
461.150	R	?	Omaha Public Schools (security?)	KZD 587
462.700	R		Douglas County REACT	?
463.875	R	?	Boys Town Institute	KNDY 903
464.275	R	?	Knights of AK-SAR-BEN (security?)	WRJ 422
158.160	S	?	Metropolitan Utilities	WAF 380
158.220	S	?	Omaha Public Power	KNFK 752
158.250	S	?	Omaha Public Power	WRN 434
451.025	R	?	Iowa Power and Light	KLS 246
451.050	R	?	Iowa Power and Light	KLS 246
451.100	R	?	Iowa Power and Light	KLS 246
451.150	R	?	Iowa Power and Light	KLS 246
451.200	R	?	Omaha Public Power	KWB 920
161.640	S	?	KFAB Broadcasting	KRF 590
161.700	S	?	KRCB Inc	KJX 504
161.760	S	?	Omaha Great Empire Broadcasting	KGI 326
173.225	S	?	Omaha World Herald	KNBT 753
450.000	R	?	May Broadcasting	BLP 00551
450.250	R	?	KFAB Broadcasting	KJV 725
450.2875	R	?	KETV Broadcasting	KQA 840
450.350	S?	?	KFAB Broadcasting	KJU 392
450.950	R	?	Chronicle Broadcasting	KAK 675
455.150	S?	?	Meredith Corp	KYY 257
455.3125	S?	?	Chronicle Broadcasting	KPE 592
455.5125	S?	?	May Broadcasting	KQB 578
455.6125	S?	?	May Broadcasting	KQB 578
154.830	S	?	OPD (in use?)	KNJJ 283
154.950	S	?	OPD (in use?)	KV 2194
155.535	S	?	OPD (in use?)	KV 2194
460.100	R	F1	OPD west	KAA 312
460.150	R	F2	OPD north	KAA 312
460.225	R	F3	OPD south	KAA 312
460.275	R	F4	OPD information	KAA 312
460.375	R	F5	OPD command	KAA 312
460.425	R	F6	OPD detectives	KAA 312
460.500	R	F7	OPD city wide	KAA 312
460.050	R	F2	CBPD information	KNCC 425
460.050	S	F4	CBPD M-M	KNCC 425

460.325	R	F1	CBPD dispatch	KNCC 425
460.400	R	F3	CBPD detectives	KNCC 425

NEXT MONTH: May 1986
MAJOR CITY: Souix Falls, SD and Rapid City, SD (space permitting)
SERVICE TOPIC: Conservation, Natural Resource Departments, State and National Parks

CREDITS: Some of the above information came from:
(1) Police Call, Vol 5, Hollins Radio Data, PO Box 35002, Los Angeles, CA 90035
(2) Monitor America, 85-86 ed., SMB Publishing, PO Box 244, Natick, MA 01760
(3) Fox Scanner Radio Listing, Minneapolis/St Paul ed., Comgen Technology, Inc, 4518 Taylorsville Rd., Dayton, OH 45424-2497
(4) FCC Microfiche, City/State Cross Reference (2/84)



PUBLIC SAFETY — SOUTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Florida, Georgia, N. Carolina, S. Carolina, W. Virginia and Virginia:

COLUMN EDITOR WANTED

Greetings Everyone!

This is Bill Mauldin filling in for John Dorsey this month. John has been keeping himself quite busy with some additional duties around the fire station and rescue squad headquarters, and asked that I fill in for him this month. John will be back next month.

Before we get into the data for the column this month, let me add that John will be leaving this position soon due to additional duty requirements at the rescue squad. We do have this Editor position open for award. If you would like to be Editor of Public Safety Southeast, drop me a note. Full information is under HELP WANTED in my column, THE CAPTAIN'S DESK. All applications must be written on the word processing printer or typewriter that you would use to write the column, if selected. I will acknowledge all applications when received.

MONITORING THE STATE AGENCIES OF THE SOUTHEAST

Looking back over my notes from when I was Editor of this column, I have found that it has been quite sometime since we have updated the State agencies of the Southeast coverage area in one volume. This will be an attempt to cover all of the interesting state agencies, along with updates and comments, thus giving you everything you need in one edition for state to state monitoring when traveling the Southeast!

STATE OF VIRGINIA

The Virginia State Police are charged with enforcing the laws within the Commonwealth of Virginia. The VSP mainly uses VHF, or high band frequencies, in their base to car communications system. Repeaters and remote base stations are also used. Virginia has a law which prohibits radar detectors in motor vehicles, and if caught with one when traveling through the state, there is a high probability of confiscation. You may or may not get your detector back at the trial. There are no state laws regarding the use of a monitor receiver in a motor vehicle. Virginia State Police troopers use both marked and unmarked vehicles in the enforcement of the state laws. Marked vehicles are gray and dark blue and use both red and blue warning lights.

VIRGINIA STATE POLICE:
FREQUENCIES and ASSIGNMENTS:
158.985 MHz Base to Car - 154.905 MHz Car to Base
159.000 MHz Base to Car - 154.935 MHz Car to Base
159.135 MHz Base to Car - 155.460 MHz Car to Base
159.165 MHz Base to Car - 155.445 MHz Car to Base
154.695 MHz - Tactical Use, Statewide - TAC 1
154.665 MHz - Car to Car, Statewide - TAC 2

Additional Channels of Interest:
458.350 MHz - Mobile Extenders, used with handhelds
42.860 MHz - 42.880 MHz Old Low Band System
42.920 MHz - Old Low Band Simplex Channel
39.500 MHz - State Intersystem, Sheriff's
39.540 MHz - State Intersystem, Local Police Depts.

The VSP mainly uses the standard APCO ten signals. Communications are usually quite easy to understand, and with the use of high power base stations, coverage is usually excellent. Stations ID with both FCC call letters and base station location name. Base station dispatchers are located in the following cities:

Richmond, Culpepper, Appomattox, Wytheville, Chesapeake, Salem and Alexandria

VIRGINIA DIVISION OF FORESTRY:
151.370 MHz - Repeater system - Eastern Virginia and Tactical (statewide TAC)
151.415 MHz - Repeater System - Statewide Use
151.475 MHz - Tactical Use - Statewide Use also - NOT Repeater System
159.300 MHz - Western Virginia - Repeater System
159.330 MHz - Tactical Use - Repeater System - Mostly Western Virginia
159.360 MHz - Tactical Use - NOT Repeater System - Mostly Western Virginia

VIRGINIA GAME AND INLAND FISH COMMISSION:
151.235 MHz, 151.280 MHz, 151.340 MHz, 151.400 MHz, 151.430 MHz
151.460 MHz, 159.435 MHz (Game Warden Repeater System), 159.465 MHz

VIRGINIA DEPT. OF TRANSPORTATION:
F1 - 47.220 MHz F2 - 47.340 MHz
F3 - 47.280 MHz F4 - 47.300 MHz

45.680 MHz - Chesapeake Bay Bridge Tunnel Authority
453.850 MHz - Chesapeake Bay Bridge Tunnel Authority Repeater System mainly used by DOT and Bridge/Tunnel Police Authority
453.850 MHz - Also used on Richmond - Petersburg Turnpike, Toll Road
154.025 MHz - DOT Bridge and Tunnel Maintenance

VIRGINIA DEPARTMENT OF AGRICULTURE - 158.820 MHz
VIRGINIA DEPARTMENT OF CORRECTIONS - 39.120 MHz (Statewide Low Band System)
STATE PRISON, Richmond 453.050 MHz & 453.275 MHz
VIRGINIA DEPARTMENTS OF MINES & QUARRIES - 453.425 MHz
VIRGINIA STATE PARKS DEPARTMENT - 39.060 MHz
VIRGINIA STATE CAPITOL POLICE - 155.250 MHz, 155.490 MHz, 155.130 MHz

U.S. DEPARTMENT of the INTERIOR, Blue Ridge Parkway, Rangers
Repeater System, 167.175 MHz - Enforcement, Campgrounds, Maintenance

STATE OF WEST VIRGINIA

The State law enforcement agency of the State of West Virginia is the State Police. Like Virginia, the WVSP is charged with enforcing all laws within the state, not just highway patrol work. Both marked and unmarked vehicles are used in the law enforcement duties. The State Police do have a separate Turnpike Troop, which works mainly on motor vehicle law enforcement. The Turnpike Troop also has it's own radio system.

With regard to scanners and monitors in motor vehicles, the only law in West Virginia states that it is illegal to monitor a frequency in order to violate a law. Other than this, monitors and radio receivers in motor vehicles are allowed.

WEST VIRGINIA STATE POLICE:
42.100 MHz Base to Car - 42.120 MHz Car to Base - 42.260 MHz Car to Car
155.430 MHz Turnpike Repeater System - 156.150 MHz Turnpike Simplex
Turnpike Frequencies are also used on selected Interstate Highways

Radio codes are completely different from any used by other states. I suggest reviewing the last RCMA update on West Virginia for the extensive code listings.

WEST VIRGINIA LAW ENFORCEMENT MUTUAL AID - 39.980 MHz
WEST VIRGINIA RESCUE AND MEDICAL EMERGENCY - 155.280 MHz

WEST VIRGINIA DEPARTMENT OF HIGHWAYS:
"A" 47.280 MHz "B" 47.360 MHz "C" 47.320 MHz "D" 47.14 MHz
Note: Channel "D" is used for vehicle tor vehicle communications

WEST VIRGINIA DEPARTMENT OF NATURAL RESOURCES:

31.980 MHz	Used statewide	31.700 MHz	Dist 1
31.580 MHz	Dist 2	31.940 MHz	Dist 3
31.620 MHz	Dist 4	31.860 MHz	Dist 5
31.820 MHz	Dist 6		

This system uses an extensive remote base and receiver site network.

STATE OF NORTH CAROLINA

The North Carolina State Highway Patrol radio system serves all state and many federal law enforcement agencies in the state. The Highway Patrol is charged with the enforcement of all motor vehicle related laws. The primary law investigating agency for the state is the SBI, State Bureau of Investigation.

The NCSHP uses both marked and unmarked vehicles. Marked cars are black and silver and use blue warning lights. The SHP has central base stations which ID both by name of city and call letters. These stations operate a complex network of remote transmitter and receiver sites. Networking is done on both VHF and UHF as well as 75 MHz. The base to car, and car to base communications are 99% low band. High Band is only used for special situations and for limited base to base traffic. The state is linked to the DMV by "PIN", Police Information Network, a complex computer system.

North Carolina has no laws relating to scanners in motor vehicles.

NORTH CAROLINA STATE HIGHWAY PATROL:

42.500 MHz	Base to Car	42.700 MHz	Car to Base
42.520 MHz	Base to Car	42.800 MHz	Car to Base
42.600 MHz	Base to Car	42.660 MHz	Car to Base
42.620 MHz	Base to Car	42.780 MHz	Car to Base
42.640 MHz	Base to Car	42.760 MHz	Car to Base

154.920 MHz & 154.680 MHz are used Base to Base, limited use
155.190 MHz Statewide base to base mutual aid & Intersystem
159.210 MHz Portable Repeater System, limited use

42.820 MHz & 42.840 MHz are used for car to car, however, NCSHP cars also talk on the base station output frequency more than on either of these.

The State Highway Patrol base station dispatchers also handle all traffic for the SBI and Department of Corrections. The FBI also operates on SHP frequencies at times. The North Carolina Highway Patrol radio system is one of the most advanced, complex systems in use today. Vehicles have Aerotron 10 channel radios with tone control.

NORTH CAROLINA STATE DEPT. OF CORRECTIONS - 42.560 MHz
NORTH CAROLINA STATE BUREAU OF INVESTIGATION - 42.720 MHz

The SBI, Wildlife Officers, NCSHP, Corrections and most local departments all use the same general APCO style ten signals. "Signals", such as Signal 10, are used when necessary to give additional dispatch information, as needed. I again suggest that you see the last RCMA article on the NCSHP for a complete code and signal listing.

NORTH CAROLINA WILDLIFE RESOURCES COMMISSION:

159.315 MHz Repeater	151.220 MHz	Simplex
159.345 MHz Repeater	151.325 MHz	Simplex
159.285 MHz Repeater	151.385 MHz	Simplex
	151.460 MHz	Simplex

The WRC radio system is all remote transmitter and receiver sites. The dispatch center is located in Raleigh. No local dispatchers anywhere else in the state. This is another state of the art radio system, showing outstanding NC radio communications!

NORTH CAROLINA FOREST SERVICE:
31.340 MHz - 31.420 MHz - 31.460 MHz - 31.540 MHz
159.390 MHz Statewide Repeater Net --- 151.355 MHz Simplex

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION:
47.140 MHz - 47.260 MHz - 47.320 MHz - 47.380 MHz

NORTH CAROLINA STATEWIDE RESCUE NETWORK:
155.340 MHz Most local hospitals, Rescue Squads, Volunteer Ambulances

NORTH CAROLINA DIVISION OF EMERGENCY MANAGEMENT:
47.460 MHz - 47.500 MHz - 47.540 MHz - 47.580 MHz

U.S. Department of Interior, Blue Ridge Parkway:	167.175 MHz (Repeater)
Great Smokey Mtn. National Park:	167.150 MHz (Repeater)
Pisgah National Forest:	168.725 MHz (Repeater)
Link to NC Forestry:	169.125 MHz

STATE OF SOUTH CAROLINA

The South Carolina Highway Patrol is responsible for enforcement of the SC motor vehicle laws. They use a fleet of marked and unmarked cars and a low band radio system. The marked vehicles are silver blue with blue warning lights. The South Carolina Law Enforcement Division (SLED) is the primary state law investigating agency.

The SCHP has a simple system of base stations with some remote transmitter and receiver sites. Most communication is low band, with the high band VHF channels used for linking and base to base. The codes used are simple APCO with some local signals.

There is no law in South Carolina regarding scanners in motor vehicles.

SOUTH CAROLINA HIGHWAY PATROL:

42.100	Base to Car	42.120 MHz	Base to Car
42.260	Base to Car	42.080 MHz	Base to Car
42.340	Base to Car	42.140 MHz	Car to Car

Cars transmit to base on a mixed frequency arrangement, depending on the location. The cars can be heard on all base channels. I suggest monitoring all six of the low band channels, as channel and activity will depend on your location. SCHP uses VHF 155.955 MHz as the base to base frequency.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION:
47.220 MHz F1 --- 47.340 MHz F2

SOUTH CAROLINA FORESTRY COMMISSION:

31.780 MHz	Administration
159.270 MHz	Statewide Fire Control Network
159.300 MHz	Administration, Emergencies, Fire Towers
159.375 MHz, 159.405 MHz, 159.450 MHz	Fire Control Channels

SOUTH CAROLINA WILDLIFE ENFORCEMENT:
31.020 MHz - 31.060 MHz - 31.180 MHz

SOUTH CAROLINA EMERGENCY PREPAREDNESS DIVISION: 45.480 MHz (Statewide)
SOUTH CAROLINA DEPT. OF CORRECTIONS: 155.640 MHz & 39.960 MHz

STATE OF GEORGIA

The Georgia State Patrol is the primary law enforcement agency in the state. They are charged with enforcing state law. They are assisted by the Georgia Bureau of Investigation (GBI). The GSP drives marked and unmarked vehicles. Marked patrol cars are gray and blue with large orange letters on the side. Blue warning lights are used in Georgia by police officers.

The GSP and GBI use high band, VHF radio systems. There are many base stations within the state, and little, if any networking is done. Dispatching is local in nature, and you might almost say there is a dispatcher and base station in every county. The system is simple, but works very well. There is also an extensive intersystem used between the local sheriffs, police and GSP. This is also VHF.

There is no present law in Georgia concerning scanners in motor vehicles.

GEORGIA STATE PATROL:

154.680 MHz	Base to Car	154.800 MHz	Car to Base
154.680 MHz	Car to Car	155.910 MHz	Atlanta Base Dispatch

GEORGIA SHERIFF'S NETWORK:

154.905 MHz	Base to Car	154.935 MHz	Base to Base
155.370 MHz	Statewide Intersystem		

GEORGIA BUREAU OF INVESTIGATION:
155.505 MHz Primary 154.815 MHz Secondary (F2)

GEORGIA DEPARTMENT OF TRANSPORTATION:
47.320 MHz - 47.340 MHz

GEORGIA STATE FORESTRY COMMISSION:

151.205 MHz; 151.475 MHz; 171.425 MHz	Administration Net
151.145 MHz; 151.280 MHz; 151.370 MHz; 151.400 MHz	District Networks
159.360 MHz	Fire Control Network, Operations, Towers
159.390 MHz	Fire Bases to Ground and Acft. Mobiles
159.255 MHz	Fire Ground Mobiles to Base Stations
159.285 MHz	Fire Aircraft to Base Stations
159.390 MHz	Fire Mobile to Mobile and Aircraft

GEORGIA DEPT. OF NATURAL RESOURCES:

31.100 MHz	Fish & Game Officers
31.120 MHz	State Park Rangers
31.220 MHz	State Environmental Officers

GEORGIA CIVIL DEFENSE AND EMERGENCY DISASTER CONTROL: 45.560 MHz

STATE OF FLORIDA

The Florida Highway Patrol is the primary law enforcement agency for the state. Other state law enforcement agencies are FDLE, Florida Department of Law Enforcement; FMP, Florida Marine Patrol; and Florida Game & Fresh Water Fish Commission. Florida has no state police organization, and the Florida County Sheriff is still the most active law enforcement officer in the state, charged with enforcement of all local and state laws. The Florida Sheriffs' Association is quite active and powerful within the state.

The FHP has both marked and unmarked vehicles, however, most unmarked cars are driven by the ranking officers and are rarely used in motor vehicle enforcement. Marked patrol cars are black and yellow, and blue warning lights are used by police, sheriffs and highway patrol troopers.

The Highway Patrol radio system is VHF. There are quite a few base stations throughout the state. The system uses four VHF channels, three for dispatching, and channel four for car to car, base to base and for aircraft speed enforcement. The Florida Turnpike has a UHF system, operating on two frequencies, both broadcasting the same repeated, linked communications. There has been talk of the FHP going to 800 MHz, but nothing has been done to date. They only recently moved from the 45 MHz low band channels. Much of the three channel VHF dispatch base system operates on repeaters, with the base frequency repeating the car transmission.

There is a law in Florida which states that mobile monitor radios are not allowed unless the operator is a licensed amateur radio operator or is a law enforcement officer. The law is enforced, especially by local departments.

FLORIDA HIGHWAY PATROL:

F1	154.665 MHz	Base to Car (Repeater)	-	155.505 MHz	Car to Base
F2	154.680 MHz	Base to Car (Repeater)	-	155.445 MHz	Car to Base
F3	154.695 MHz	Base to Car (Repeater)	-	155.460 MHz	Car to Base
F4	154.920 MHz	Car to Car, Base to Base, Aircraft to Car			

There is a project under study in the Tampa Bay area where news media monitors will be notified on F4 by tone alert in the event an emergency condition takes place. More on this project once study results are known, and the project is undertaken statewide. Also, there is extensive speed enforcement by aircraft in Florida, with all communications taking place on F4, except on the Florida Turnpike.

FLORIDA HIGHWAY PATROL - TURNPIKE:

453.575 MHz	Base to Car (Repeater)	- 458.575 MHz	Car to Base
453.625 MHz	Base to Car (Repeater)	- 458.575 MHz	Car to Base
453.675 MHz	Base to Service (Repeater)	458.675 MHz	Service to Base
453.725 MHz	Base to Service (Repeater)	458.675 MHz	Service to Base

There are only two communications conversations broadcast on this four frequency system. One is FHP, and the other is service. The entire length of the Florida Turnpike is repeated from one end to the other. FHP can talk car to car on 453.575 MHz, and this is the aircraft frequency used for speed enforcement on the Turnpike. There are two dispatch centers, one in Orlando (call named "Patrol") and the other in West Palm Beach

(call named "Parkway"). When both dispatch centers are working, the system is broken in two parts at the 136 mile post, just north of Fort Drum. The Service system is call named "Turnpike", and can be cross tied to the FHP system when needed. FHP vehicles do not have the service frequency, but can be cross tied when the situation is desired.

The radio codes used within Florida are standard APCO, with signals added. It is suggested that you see recent RCMA articles for the code listings.

FLORIDA MARINE PATROL:
44.960 MHz - 45.000 MHz - 44.000 MHz - 44.800 MHz

FLORIDA DEPARTMENT OF LAW ENFORCEMENT:
45.460 MHz - 45.380 MHz - 45.180 MHz - 45.300 MHz - 45.060 MHz
460.150 MHz - 460.250 MHz - 460.350 MHz

FLORIDA GAME & FRESH WATER FISH COMMISSION:
151.385 MHz - 151.310 MHz - 151.415 MHz - 151.430 MHz - 159.285 MHz - 160.140 - 160.425 MHz - 161.445 MHz - 172.275 MHz (Link to Nat. Park Ser.)

FLORIDA STATE PARK RANGERS: 44.760 MHz

FLORIDA BEVERAGE CONTROL: 45.100 MHz - 45.260 MHz - 45.060 MHz

FLORIDA DISASTER CONTROL & CIVIL DEFENSE: 39.180 MHz - 39.100 MHz

FLORIDA DEPT. OF CORRECTIONS: 45.160 MHz - 45.420 MHz

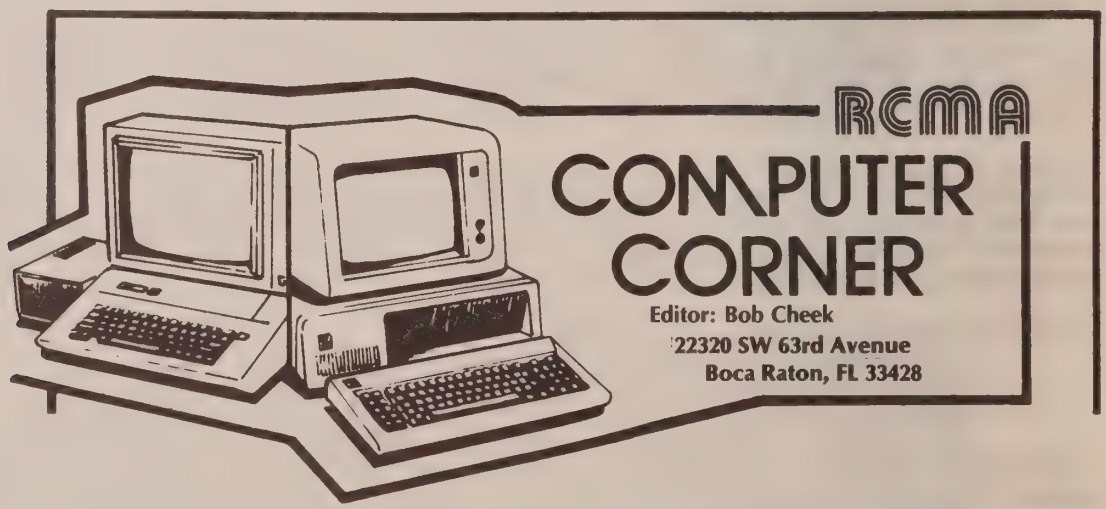
FLORIDA FORESTRY COMMISSION:

159.240 MHz	Base to Fire Towers
159.270 MHz	Mobile units to Base stations
159.300 MHz	Administration, Aircraft, Base to Base
159.330 MHz	Base to Mobile, Car to Car, Aircraft
159.360 MHz	Florida - Georgia Mutual Aid Intersystem
159.375 MHz	Fire Watch Towers to Base Station Operations
159.390 MHz	Fireground & Surveillance

FLORIDA DEPARTMENT OF TRANSPORTATION:
47.140 MHz - 47.260 MHz - 47.220 MHz - 47.300 MHz

U.S. Department of the Interior, Everglades National Park Rangers: 172.525 MHz
Big Cypress National Park 172.425 MHz

This collection of State Frequencies is just a general listing. Codes, signals, base station locations, districts and so on were listed in past RCMA coverage articles. It is hoped that this general listing will give you some general frequencies and information should you travel the PUBLIC SAFETY SOUTHEAST states this summer. RCMA members are encouraged to make notes which will help in detailed updates on these agencies and their systems and services. This is just a start. Happy Monitoring!



NO COLUMN THIS MONTH

PUBLIC SAFETY WEST

SEND PUBLIC SAFETY AND SPECIAL EMERGENCY FREQUENCIES, RADIO SYSTEM DETAILS AND QUESTIONS FOR ALASKA, ARIZONA, COLORADO, HAWAII, IDAHO, MONTANA, NEVADA, NEW MEXICO, OREGON, UTAH, WASHINGTON AND WYOMING TO:

GEORGE N. HOGGATT, 17473 E. 16TH DR., AURORA, CO 80011
ELECTRONIC MAIL: <COMPUSERVE:75376,673> <DELPHI:JORG> <SOURCEMAIL:BBZ812>

****

Sorry about no column last month but there was no input and I don't have time to make anything up. If there is no new editor by about June, I'll have to give it up anyway and let it go dormant.

Not much new in Colorado. It looks like Aurora will be going 800 mhz trunked. The latest task force recommendation has made a city wide radio system the second highest priority for our tax dollars.

IDAHO Mark ID-012

154.025 MHz	City of Burley
154.040	City of Jerome
	Jerome Fire Department
154.055	Twin Falls County
	Magic Valley Memorial Hospital: Paging (Twin Falls)
154.085	Bingham County
154.115	Blaine County: Highway maintenance
154.190	Twin Falls Fire Department
154.415	Ketchum Fire Department (Input unknown)
	Sun Valley Fire Department (Input unknown)
154.430	Gooding Fire Department
	Wendell Fire Department
	Hagerman Fire Department
154.445	Pocatello Fire Department (Input unknown)
154.995	City of Filer
155.025	City of Sun Valley
155.055	Elko County Sheriff: Elko, NV (Input unknown)
155.100	City of Sun Valley: Paging (Primarily paging for doctors and staff at the Mollie Scott Clinic and Moritz Community Hospital in Sun Valley.)
155.145	Power County: Highway maintenance
155.175	Blaine County School District #61 (Hailey)
	Soldier Mountain Ski Patrol: Channel 1 (Fairfield)
155.265	North Side School Bus Company (Jerome)
155.400	Magic Valley Regional Medical Center: Dispatch (Twin Falls)
155.760	City of Rupert
155.925	City of Twin Falls (Miscellaneous city offices and city police department.)
156.165	Twin Falls County Highway Department
156.240	Buhl Highway Department
159.135	Elmore County Highway Department (Mtn. Home)
159.165	Camas County School District #121 (Fairfield)
	Camas County Road & Bridge (Fairfield)
155.835	Hillsdale Highway Maintenance (Hazelton)

NEVADA Fred NM-005
SPARKS FIRE DEPARTMENT
158.775 dispatch
158.820 fireground?

Geyt

PUBLIC SAFETY—CALIFORNIA

P.O. Box 3962 Santa Fe Springs, California 90670-1962

THIS COLUMN IS DEDICATED TO THE PIONEERS OF THE CHALLENGER.....

Gregory Jarvis Christa McAuliffe Ronald McNair Ellison Onizuka

Judith Resnik Francis Scobee Michael Smith

Thank you for leading the way.....

Welcome to the April 1986 edition of RCMA - PUBLIC SAFETY CALIFORNIA

Still waiting to here from you Amateurs out there.....Send in your callsign and frequencies where you can be reached.

Additional Info on the FCC Microfiche Index - The files are indexed by state and city of operation, followed by frequency. If you were to give me an organization to check, be sure to include possible locations and in metro areas, which freq. range, if possible. Since this is the Calif. Column, checks will have to be restricted to the agencies in Calif. (Void where prohibited by law....Member FDIC....If rash develops, check with your doctor.)

Maybe we could have a separate national column dedicated to researching and printing member's microfiche requests! If you would like such a column, make your wants known to our General Editor William Maudlin 2268 N.W. 30th Rd. Boca Raton, Fl. 33431.

From Bill (CA-VE-010) RCMA Railroad Editor
Re; question by Thomas (PA-017) in Feb. RCMA PG. 57;

New Freqs allocated to So. Calif. Rapid Transit District during 1985 are; 160.725 Mhz, 160.755 Mhz, 160.265 Mhz.

Earlier they had (and still have); 160.635 Mhz, 160.695 Mhz, 160.935 Mhz. Unknown if they are still in use.

From Mike (CA-OR-204):

ATTENTION: AMBULANCE CHASERS!

Alright, I give up. Somebody tell me what frequency Goodhew Ambulance is using in the Riverside area. Several years ago they were using

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46.04 (Which is still used by Goodhew in the LA area), but it's been a long time since I've heard any activity out this way on that freq.

Goodhew has the contract with Riverside County for ambulance service in the Riverside, Sunnymead, and Perris areas. They roll on medical aid calls with CDF in those regions. I hear the Goodhew Dispatcher loud and clear on th Riv. Co. Med-Net channel, so I assume that I should hear the other channel too.

RIVERSIDE COUNTY MEDICAL NET

Dispatch: 155.295 Mhz Ambulance-Hospital: 155.265 Mhz

Can anyone help Mike?

From Chuck (CA-SD-008);

CHP office #115, Temecula-Rancho California units are dispatched by El Cajon/Oceanside on 42.120- Dispatch and car to car/42.200-car to dispatch. Chuck has heard them dispatch units to Lake Elsinore area, Interstate 15 and HWY 74 "Ortega HWY". (Must have been interesting listening during the recent Ortega HWY illegal toxic waste dumping incidents-Editor)

From Dave (CA-SF-025) a very interesting profile on the California Department of Justice (DOJ);

California Department of Justice

(All material taken from the 1983-1984 Biennial Report of the California Attorney General)

Everyone knows that 154.680 mhz is the California DOJ; but, what kind of people use this frequency. This article attempts to explain this.

The 1984-1985 budget for the CA-DOJ contains a program that will cost $157 million and employ 3,200 staff (including 300 agents and 400 criminalists). In brief, the DOJ missions are threefold: 1) litigation on behalf of state agencies, the public and appellate representation of the state at criminal matters; 2) investigation of matters of interest to the state such as complex criminal activity; and 3) technical support for systems, and the police computers (CLETS, NLETS, CJIS, etc.)

Law Enforcement Division of DOJ

This division consists of the majority of investigative personnel employed by DOJ. The LED does most of the investigation and technical support for DOJ.

Bureau Of Narcotic Enforcement: Has 126 agents and a total staff of 168. The BNE concentrates on major intra-state narcotics problems and is an active participant in CAMP (Campaign against Marijuana planting). This bureau is the single largest employer of agents in DOJ.

Bureau Of Organized Crime and Criminal Intelligence (BOCCI): employs 11 agents on a staff of 86. The bureau combats organized crime and collects information of major criminal elements within the state,such as motorcycle gangs.

Bureau Of Investigation (BOI):has 64 agents on a staff of 87. The bureau conducts investigations for DOJ attorneys, when asked by local police, or at the request of state officials like the governor. Its quite similar to the FBI.

Bureau Of Forensic Services: Maintains a network of crime labs throughout the state and operates ALPS (automated fingerprint network).

Advanced Training Center; has 3 agents on a staff of 17. ATC provides classes to help DOJ and California police understand advanced aspects of law enforcement.

Western States Information Network (WSIN): gathers and distributes data on interstate narcotics activities to participating police agencies.

Law Enforcement Data Center: Operates CLETS (teletype system for California PDs); NLETS (serves as California representative for the national teletype system); and CJIS (automated computer files on stolen property, vehicles, firearms, criminal history, etc).

Bureau of Criminal Information (BCI); actually maintains the files of criminals that the cJIS computers give to PDs upon request.

These then are the major investigative and technical units of the DOJ. The abbreviations like CLETS, NLETS, WSIN, ALPS, etc. that may be heard on law enforcement channels derive their initials from DOJ units. Likewise, these units are heard frequently on the DOJ channel because they comprise the bulk of DOJ employees. However, there are other specialized units that also use the DOJ frequency.

Criminal Law Division:
In general the division handles the appellate or appeal phase of criminal convictions. However, there are two units within the division that are noteworthy.

Bureau Of Medi-Cal Fraud: Has 60 agents of a total staff of 86. The bureau investigates violations of th MEDI-CAL program such as patient abuse and fraud.

Major Fraud Unit: This unit has 5 agents on a staff of 12. The unit is organized into lawyer-agent teams that prosecute complex fraud cases such as "pyramid schemes".

The Land Law Section of the Civil Law Division has 1 agent on a staff of 31. This section represents state agencies that own land or

regulate land use, such as Tahoe Planning Agency, State Lands Commission, etc.

The Administrative Services Division is the "housekeeping" agency, but has 2 agents on a staff of 569.

Independent Agencies:

Special Prosecutions Unit: Has 13 agents on a staff of 20. The SPU concentrates on organized crime and statewide theft rings. It too is organized into lawyer-agent teams.

Legislative Unit: Has 1 agent on a staff of 5. The unit represents the state DOJ, before the state legislature.

On the organization chart, but not discussed in this report, is a unit called the Law Enforcement Liason/Protective Services Unit 1, wonder what it does?
(Editor's Note: based on the title of the unit, our guess would be that the unit coordinates with other law enforcement agencies and is involved in providing protection for state and visiting dignitaries, ie: the governor,working with the Secret Service when the President and other Federal dignitaries visit the state.)

By understanding the organization of the DOJ, then it is possible to better understand the radio traffic and identifiers.

For example, MEDI-CAL agents may be arresting a fraud suspect, but the Forensic Services Bureau is setting up a field unit to process a major crime that a local police agency cannot handle. It is quite obvious that DOJ personnel, especially agents, handle a wide variety of matters.

From George (CA-SB-008)

As of January 1, 1986, CDF has changed some radio numbers, and dropped an administrative region. Region Five (5) -South Coast- was eliminated and consolidated into regions 1,4,& 6, and region 6 was changed to region three (3). This was done to save some bucks. It does not change any of the operations of the ranger units (counties) and does not effect any of the fire control operations.

The San Mateo-Santa Cruz and Santa Clara Ranger units will report to region 1,North Coast Region, in Santa Rosa. San Luis Obispo Ranger unit, and the contract county of Santa Barbara will report to region 3, Southern Region in Riverside. San Benito-Monterey Ranger unit will report to region 4, Central region in Fresno. All the old region 6 radio numbers are now 3000, so Riverside Ranger unit is 3100 vs 6100, San Bernardino is now 3500, vs 6500, San Luis Obispo is 3400 vs 5400.

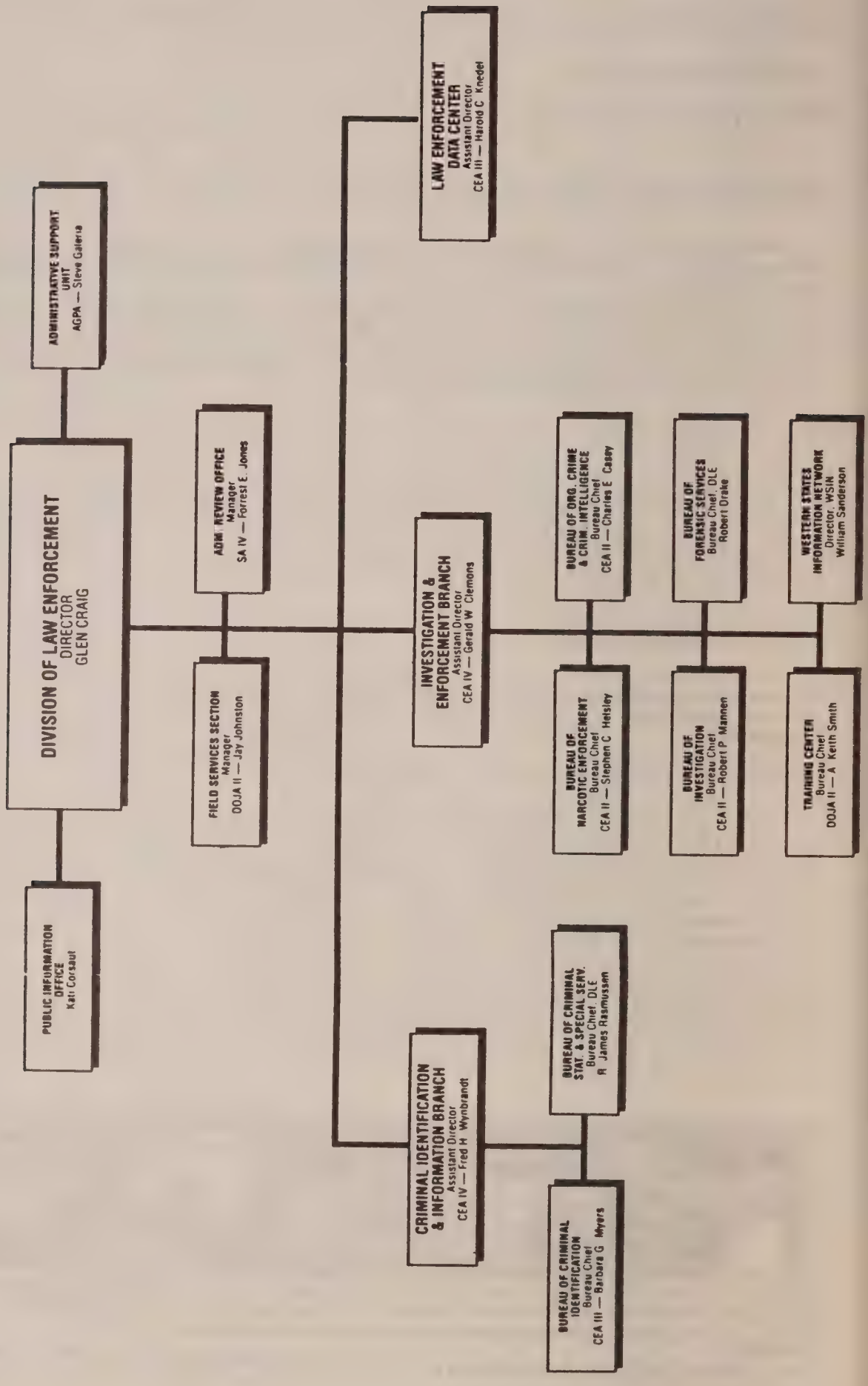
San Bernardino CDF/County Fire has recently installed a new repeater for the local east net (151.325-tone 5). It is located at Spirit Mtn, Christmas Tree Pass, near Searchlight Nevada for the east desert portion of the county for Needles, Vidal and the river area. Needles Fire will soon switch to Local East, and no longer be on Desert Yellow-154.070.

PUBLIC SAFETY: CALIFORNIA continued ⟶

This column is for the exchange of space communications systems (manned or unmanned), frequency information, orbital data, hobby receiving equipment and antennas. Questions and column input pertaining to Space Communications Monitoring should be sent to:

NO COLUMN THIS MONTH

Larry Van Horn, 160 Lester Dr., Orange Park, FL 32073


DIVISION OF LAW ENFORCEMENT
DIRECTOR
GLEN CRAIG
ADMINISTRATIVE SUPPORT UNIT
AGPA — Steve Galeria
PUBLIC INFORMATION OFFICE
Kati Corsaut
ADM. REVIEW OFFICE
Manager
SA IV — Forrest E. Jones
FIELD SERVICES SECTION
Manager
DOJA II — Jay Johnston
LAW ENFORCEMENT DATA CENTER
Assistant Director
CEA III — Harold C. Knedel
INVESTIGATION & ENFORCEMENT BRANCH
Assistant Director
CEA IV — Gerald W. Clemons
BUREAU OF ORG. CRIME & CRIM. INTELLIGENCE
Bureau Chief
CEA II — Charles E. Casey
BUREAU OF FORENSIC SERVICES
Bureau Chief, DLE
Robert Drake
WESTERN STATES INFORMATION NETWORK
Director, WSIN
William Sanderson
BUREAU OF NARCOTIC ENFORCEMENT
Bureau Chief
CEA II — Stephen C. Helsley
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CEA II — Robert P. Mannen
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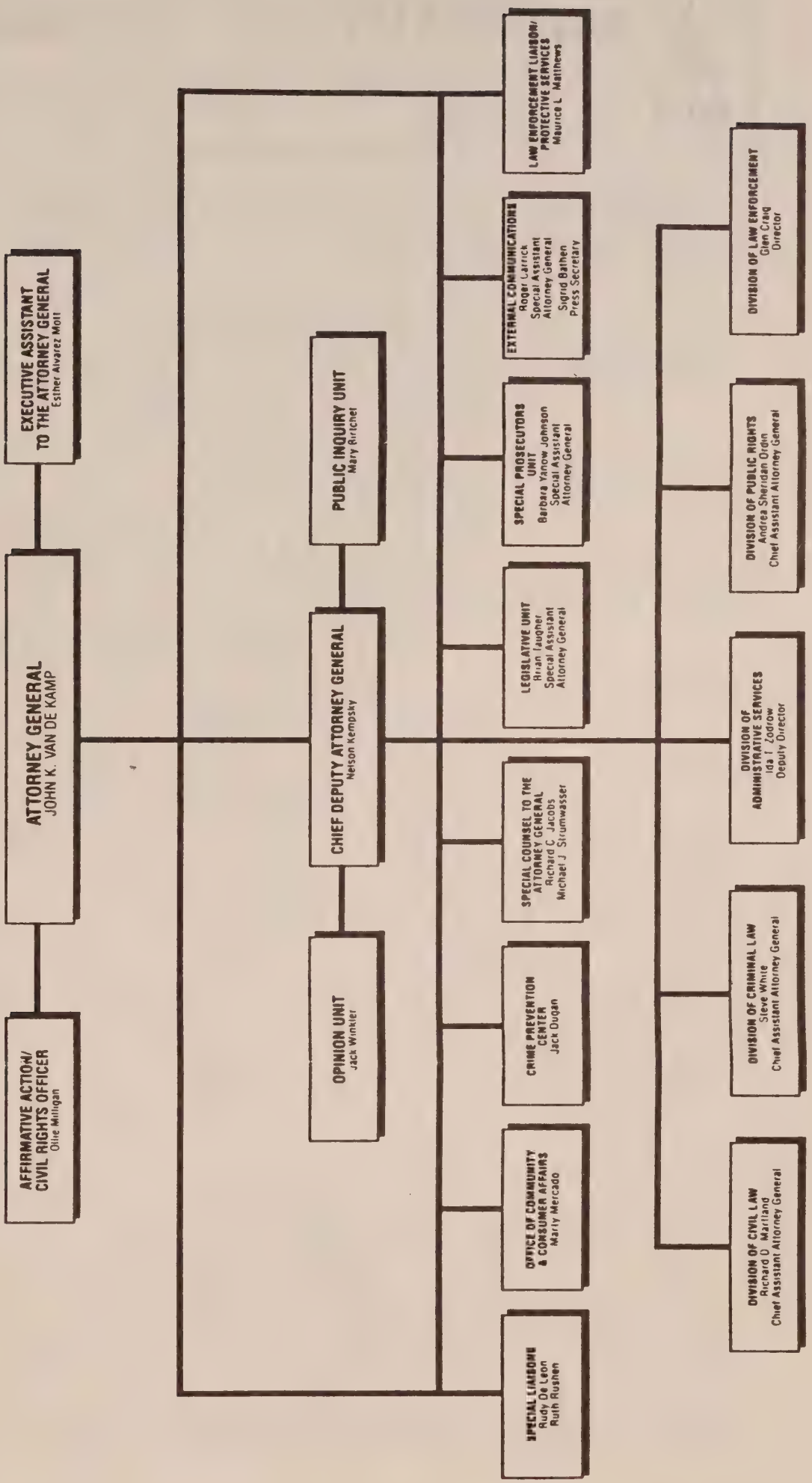
Assistant Director
CEA IV — Fred H. Wynbrandt
BUREAU OF CRIMINAL STAT. & SPECIAL SERV.
Bureau Chief, DLE
R. James Rasmussen
BUREAU OF CRIMINAL IDENTIFICATION
Bureau Chief
CEA III — Barbara G. Myers

DEPARTMENT OF JUSTICE (OVERVIEW)



RAILROADS

Gary L. Sturm and
Bill Farmer, Editors

Send information about railroad frequencies and their uses, railroad radio system details, and related questions to:

Bill Farmer, P.O. Box 1838, Thousand Oaks, CA 91360

Welcome back for another monthly session of the Railroads Column. We're happy to be able to report, for the first time, the frequency uses for the Miami Metrorail rapid transit system. There are other reports, too, so let's get busy...

MIAMI METRORAIL

by ALAN G. HENNEY (MD-069)

452.325/457.325	Repair of various station machines/equipment Base station ID is "Station Operations" Mobiles are in 500 & 700 series Used for ticket machine repair
452.375/457.375	Yard operations Base station ID is "Central" Mobiles are in 600 series Used for moving cars to tracks from yard, positioning & alignment of trains, power supply maintenance & test track
452.475/457.475	Portable telephones Base station ID is KNCD-875 (computerized voice) Computerized voice (actually tape) says date, time, phone number called, etc.
452.825/457.825	Road channel Base station ID is "Central Control" Mobiles are in 100 series Used for control of moving trains on main tracks

WASHINGTON, D.C. METRO

by ALAN G. HENNEY (MD-069)

160.260	Ch 1 Road-Red Line
160.380	Ch 2 Road-Blue, Orange, & Yellow Lines
160.605	Yard-New Carrollton Yd.
160.620	"Start-up operations control"
161.025	Ch 3 Maintenance of Way & Paging
161.235	Yard-Brentwood Rd., N.E.
161.385	Police (simplex)
161.385/160.725	Police (repeater)

Two possible channel setups are:

Ch 1	160.260	Ch 1	160.260
Ch 2	160.380	Ch 2	160.380
Ch 3	161.025	Ch 3	161.025
Ch 4	160.620	Ch 4	161.385 simplex
Ch 5	161.235		

Yards are located at:

Alexandria (VA)	Yellow Line
Shady Grove (MD)	Red Line
New Carrollton (MD)	Orange Line
Brentwood Rd, N.E. (DC)	Red Line (near Rhode Island Ave. sta.)

In a recent letter from Washington Metropolitan Transit Authority, they refused to send me 10-codes or frequencies. However they did say that they use 10-codes that are "modified" from the national public safety 10-code. They also told me they are now using a 10-channel radio.

[Editor's note: Alan noted that the WMATA police recently got a repeater in addition to their simplex channel. The input frequency, 160.725, was formerly a yard channel at Alexandria Yard. So it looks

like we need to find out the new yard frequency at Alexandria, as well as the one for Shady Grove Yard. Can anyone help on these? Does anyone know the 10-codes or unit numbers for this system?]

CHICAGO & NORTH WESTERN—TALKING DETECTORS

info from DAVE WILCOX (WI-035)

In late 1985 C&NW placed talking defect detectors in service at several locations on their Geneva and Sterling Subdivisions. These are the first two subdivisions on the line going westward from Chicago toward Council Bluffs, IA. The installations are at West Chicago, Elburn, Malta, Flagg, Dixon, Galt, and Union Grove, all in Illinois.

The various messages given by the detectors are worded as follows:

As a train approaches:

1) If system is working as intended: "CNW detector, milepost ___, track ___, checking train."
2) If system is not working as intended: "CNW detector, milepost ___, track ___, system not working, transmission over."

When a defect is detected as a train is passing over the detector: "CNW detector, milepost ___, track ___, you have a defect."

After train has passed over detector:

1) If system is not working as intended: "CNW detector, milepost ___, track ___, system not working, transmission over."
2) If system is working and no defects were found: "CNW detector, milepost ___, track ___, you have no defects."
3) If system is working and defects were found: "CNW detector, milepost ___, track ___, you have two defects: Hot journal at axle one three two on north side. Dragging equipment near axle two four three." The above transmission is repeated, then "Transmission over."

Axle counts are from the front of the train.

NORTH EASTON, MASSACHUSETTS

by CARL GEROSA (NY-117)

Here are some stations I heard while attending school at Stonehill College in North Easton, Mass. North Easton is 20 miles south of Boston. I used a Regency M-400 with a back-of-set antenna.

31.14		Massachusetts Bay Transportation Authority (MBTA) Maintenance of Way-Boston-KCA573 "Transportation" and "Central" bases
44.46		MBTA Engineering-Boston-KCA712
160.800	Ch 1	Conrail/Amtrak Road-"Attleboro Tower", "TCS Operator", "Bay Colony Train Dispatcher", "Old Colony Train Dispatcher"
161.130	Ch 3	Conrail Maintenance; telephones heard
160.515	Ch 4	Amtrak Maintenance of Way
161.160	Ch 1	Boston & Maine Road/Disp.
161.370	Ch 3	Boston & Maine Maintenance of Way
160.890	Ch 3	Providence & Worcester RR Police Signals, Maint.
160.305		Bay Colony RR-Maintenance, trains, "Buzzards Bay Tower"

DANVILLE, ILLINOIS

from DOUG (IL-???)

Seaboard System (ex-Louisville & Nashville)

161.370	Ch 1	Road and Dispatcher to Train
161.520	Ch 2	Train to Dispatcher
160.290		Yard-Brewer Yard
160.905		Base-Mobile Agent
160.305		Signal Department
161.175		Communications Department

Norfolk Southern (ex-Norfolk & Western)

160.440	Road-used on ex-Wabash lines
161.250	Road-used on ex-NKP lines
161.115	End-of-train telemetry devices

Kankakee, Beaverville & Southern

160.215 General Operations

Atchison, Topeka & Santa Fe (ex-Toledo, Peoria & Western)

160.650 Road (Note: 161.400 is now out of service)

BRITISH RAILWAYS

by GARY L. STURM (IN-045)

British Railways was contacted and Mr. Whitehouse, their communications engineer, declined to give specific radio frequencies used in England on their rail system. He did describe which bands are used and for what purposes:

VHF HIGH BAND: Engineering work
Future use in all mainline locomotives
Radio signaling for lightly used lines

UHF BAND: Local communications, i.e. in stations, marshalling yards, local engineering site works
Train-Signal Box radio on suburban networks

If anyone is visiting in England and can obtain further information on their exact radio frequencies, please let us know. I do have one contact with a scanner in England who works for British Rail. I will contact him again and see if I can get further information on their rail radio system.

ASSOCIATION OF AMERICAN RAILROADS FREQUENCY ASSIGNMENT PLAN

by BILL FARMER (CA-VE-010)

Last year we reviewed changes in the AAR Radio Frequency Assignment plan that was issued in October, 1984. Usually the AAR reissues the printed version of the Plan about every 18 months, but this time they surprised us and put out another revision in July, 1985. There are fewer changes this time, so hopefully we'll be able to cover them more quickly than we did last time. Again we start with the shortlines and will cover the major railroads in future issues. We'll give the location of each railroad as best we know it.

Allegheny Southern	Blair Co., PA	161.370 reinstated
Apalachicola Northern	Port St. Joe, FL	160.665 added
	NC, SC, GA, & FL	160.845 added
Appanoose County Community RR	Appanoose Co., IA	161.265 new RR
Bloomer Line	Chatsworth, IL	160.365 new RR
		161.355 new RR
Cedar Valley RR Co.	Osage, IA	160.605 new RR
		161.535 new RR
Central Montana Rail Inc.	Denton, MT	160.800 new RR
		160.860 new RR
DeQueen & Eastern	DeQueen, AR	160.605 added
(Note: Gave 161.325 to Missouri Pacific in exchange for 161.445. MP wanted it for PBX)		160.650 deleted
		161.325 deleted
		161.445 added
East Camden & Highland	East Camden, AR	160.380 reinstated
Eureka Southern	Eureka, CA	160.755 new RR
		161.520 road
		161.550 SP road
Gulf & Mississippi	LA	161.085 new RR
Housatonic RR Co.	Caanan, CT	160.395 new RR
		161.505 new RR
Indiana & Ohio	Brookville, IN	160.575 added
Indiana Eastern	Knightstown, IN	160.515 added
McCloud River	McCloud, CA	160.860 reinstated
		161.025 reinstated
Michigan Northern	Cadillac, MI	160.770 deleted
		161.250 deleted
Mt. Washington Cog Railway	Mt. Washington, NH	160.410 deleted
New York City Transit Auth.	New York, NY	160.845 added
North Shore RR Co.	Northumberland, PA	160.455 new RR
Northwestern Pacific	Petaluma, CA	160.290 deleted
		161.520 deleted
Pend Oreille Valley	Newport, WA	160.275 added
Philadelphia, Bethlehem & New England	Bethlehem, PA	161.280 added

RAILROADS: continued

Port Royal	NC, SC, GA, or FL	160.980 new RR
Puget Sound Railway Museum	Snoqualmie, WA	161.385 added
Reserve Mining Co. (telemetry)	MN	457.9375 added
Saltville	Saltville, VA	160.980 reinstated
San Diego & Arizona Eastern	San Diego, CA	160.230 deleted
		161.550 deleted
San Diego & Imperial Valley	San Diego, CA	160.530 new RR
Seattle & North Coast	Port Angeles, WA	160.440 reinstated
(reinstated even though defunct)		160.770 reinstated
		161.430 reinstated
South Brooklyn (defunct)	Brooklyn, NY	160.845 deleted
		161.565 deleted
Southeastern Pennsylvania Transportation Authority	Philadelphia, PA	160.395 added
So. Calif. Rapid Transit Dist.	Los Angeles, CA	160.725 added
		160.755 added
		161.265 added
Steam Locomotive Corp. of America	Hagerstown, MD	160.500 new
Stone Mountain Scenic	near Atlanta, GA	160.845 reinstated
Texas Northwestern Railway Co.	Sunray, TX	160.455 new RR
Texas, Oklahoma & Eastern (same changes as DeQueen & Eastern)	DeQueen, AR	
Tidewater Southern (part of Union Pacific)	Modesto, CA	160.260 added
		160.380 added
		160.740 added
Tuscola & Saginaw Bay	Millington, MI	160.770 added
		161.250 added
West Jersey Short Line	Salem-Woodbury, NJ	161.025 new RR
West Tennessee RR Co.	Trenton, TN	160.245 new RR
		161.070 new RR
		161.475 new RR
Winston-Salem Southbound Ry.	Winston-Salem, SC	160.230 added
		160.515 deleted

That's all for this month, folks—don't forget to write!

TECHNICAL TOPICS

Send all equipment reviews, technical articles, technical tips, and questions on such subjects as receivers, antennas, preamps, accessory equipment, repeaters, links, tones, scramblers, non-voice data transmissions to:

Stephen A. Kayworth, 21551 Kapok Circle, Boca Raton, FL 33433

Volts - Amps - Ohms

There Ought To Be A Law!

There is, and it's called "Ohm's Law." This law is a mathematical expression which describes the relationship between the three fundumental electrical units of voltage, current, and resistance. Understanding these three fundamental electrical units and their relationship to each other is basic to understanding electricity, and an understanding of basic electricity goes a long way towards grasping some of the things that go on in this electronic age we live in.

The "Volt" is the unit of measure for what is called "Electromotive Force." In a conductor, such as a piece of wire, electrons move about in a random manner unless they are acted upon by some outside force. To cause electrons to flow along the length of the wire, there must be a difference in electrical potential at both ends of the wire. One simple way to accomplish this is to connect a battery to the two ends of the wire. One side of the battery has a positive potential, and the other side has a negative potential. This difference in charge causes electrons to flow through the conductor. The pressure or force caused by this difference in electrical potential is called Electromotive Force and is measured in volts as already stated. Electromotive force is more commonly called "Voltage."

The flow of electrons along a conductor is known as "current." There are two units of measure associated with current. One is the Ampere, or Amp, which is a measure of the rate

at which electrons flow past a given point, and the other is the Coulomb which is a measure of quantity. There are 6.28×10^{18} electrons in one coulomb. When this number of electrons passes a given point every second, it can be said that the current is flowing at a rate of 1 amp.

So far we have talked about voltage being the force which causes current to flow in a conductor. The third aspect of Ohm's law has to do with opposition to electron flow. This electrical unit is called resistance and is measured in ohms. All materials present some resistance to the flow of electrical current, so it is important to take this into consideration when working with electricity.

The law which relates these three electrical units together is known as "Ohm's law," named after the man who formulated it. Ohm's law is stated as follows:

The current in amperes is equal to the voltage in volts divided by the resistance in Ohms.

The equation is as follows:

$$I = \frac{E}{R}$$

I = current
E = voltage
R = resistance

If two of the three variable are known it is an easy matter to find the third value by solving the equation. Any of the three values can be found by substituting the known values into one of the equations shown below.

$$I = \frac{E}{R} \qquad E = IR \qquad R = \frac{E}{I}$$

This month I have given a brief overview of voltage; current; and resistance, and I have presented Ohm's law. Next month I will show how Ohm's law can be applied to some basic electrical circuits and ultimately to our hobby.

'til next time.
Steve

VHF MARINE

Send information, articles, frequencies and their use, and questions that relate to private, commerical, and Coast Guard VHF maritime and inland waterways radio communications to:

Emmett L. Baxter, Jr., 4122 Granby St., Norfolk, VA 23504

Hello and welcome to your April 1986 VHF Marine Column.

As I am writing this column the Challenger Space Shuttle has just blown up. I am very sorry that this had to happen but it opened up a vast array of marine activities in the Southern Atlantic Area off the Florida Coast.

If you watched any on the news reports on the TV or CNN, on the cable system, you saw and heard pictures of vessels and boats engaged in the search for wreckage. One report I saw showed the reporter on a boat and you could hardly hear him because of the Navy & Coast Guard activity on the Marine Radios behind him.

The following is a list of the 7th. Coast Guard District VHF Marine Coverage Ranges.

LOCATION	PRIMARY CONTROL	ANTENNA HEIGHT	MINIMUM RANGE
Myrtle Beach,SC	Group Charleston,SC	275 ft.	22 miles
South Island,SC	Group Charleston,SC	145 ft.	20 miles
Mount Pleasant,SC	Group Charleston,SC	450 ft.	29 miles
Parris Island,SC	Group Charleston,SC	300 ft.	23 miles
Tybee Island,Ga.	Group Charleston,SC	145 ft.	20 miles
Jeykll Island,Ga.	Group Mayport,Fl	300 ft.	24 miles
Jacksonville Beach,Fl.	Group Mayport,Fl.	250 ft.	22 miles
Flagler Beach,Fl.	Group Mayport,Fl.	237 ft.	22 miles
Cape Kennedy,Fl.	Group Mayport,Fl.	400 ft.	28 miles

Fort Pierce,Fl.	Group Miami,Fl.	400 ft.	39 miles
Jupiter,Fl.	Group Miaim,Fl.	300 ft.	40 miles
Delray Beach,Fl.	Group Miami,Fl.	275 ft.	30 miles
Miaim Beach,Fl.	Group Miami,Fl.	225 ft.	25 miles
Perrine,Fl.	Group Miami,Fl.	298 ft.	28 miles
Islamorada,Fl.	Group Key West,Fl.	300 ft.	34 miles
Marathon,Fl.	Group Key West,Fl.	200 ft.	32 miles
Sugarloaf,Fl.	Group Key West,Fl.	330 ft.	25 miles
Naples,Fl.	Group St.Petersburg,Fl.	500 ft.	34 miles
Venice,Fl.	Group St.Petersburg,Fl.	450 ft.	33 miles
Seminole,Fl.	Group St.Petersburg,Fl.	300 ft.	31 miles
Tarpon Springs,Fl.	Group St.Petersburg,Fl.	425 ft.	30 miles
Crystal River,Fl.	Group St.Petersburg,Fl.	450 ft.	30 miles
Hines,Fl.	Group St.Petersburg,Fl.	450 ft.	30 miles

7TH.COAST GUARD DISTRICT CUTTER LIST:

USCGC COURAGEOUS(WMEC-622)-Cape Canaveral,Fl.(Medium Endurance Cutter)
USCGC DAUNTLESS(WMEC-624)-Miami Beach,Fl.(Medium Endurance Cutter)
USCGC DECISIVE(WMEC-629)-St.Petersburg,Fl.(Medium Endurance Cutter)
USCGC DILIGENCE(WMEC-616)-Key West,Fl.(Medium Endurance Cutter)
USCGC RELIANCE(WMEC-615)-Cape Canaveral,Fl.(Medium Endurance Cutter)
USCGC STEADFAST(WMEC-623)-St.Petersburg,Fl..(Medium Endurance Cutter)
USCGC ESCAPE(WMEC-6)-Charleston,SC-(Medium Endurance Cutter)
USCGC LIPAN(WMEC-85)-Key West,Fl.-(Medium Endurance Cutter)
USCGC UTE(WMEC-76)-Key West,Fl.-(Medium Endurance Cutter)
USCGC CAPE CURRENT(WPB-95307)-Dania,Fl.-(95'Patrol Craft)
USCGC CAPE FOX(WPB-95316)-Key West,Fl.-(95'Patrol Craft)
USCGC CAPE GULL(WPB-95304)-Miami,Fl.-(95'Patrol Craft)
USCGC CAPE KNOX(WPB-95312)-Charleston,SC-(95'Patrol Craft)
USCGC CAPE SHOALWATER(WPB-95324)-Riviera Beach,Fl.-(95'Patrol Craft)
USCGC CAPE UPRIGHT(WPB-95303)-Savannah,Ga.-(95'Patrol Craft)
USCGC CAPE YORK(WPB-95332)-Key West,Fl.-(95'Patrol Craft)
USCGC KEY WEST(WSES-???)-Key West,Fl.-(110 Air Cushion Vehicle)
USCGC POINT BARNES(WPB-82371)-Fort Pierce,Fl.-(82'Patrol Craft)
USCGC POINT CHARLES(WPB-82361)-Cape Canaveral,Fl.-(82'Patrol Craft)
USCGC POINT ROBERTS(WPB-82332)-Mayport,Fl.-(82'Patrol Craft)
USCGC POINT STEELE(WPB-82359)-Fort Myers,Fl.-(82'Patrol Craft)
USCGC POINT SWIFT(WPB-82312)-Clearwater Beach,Fl.-(82'Patrol Craft)
USCGC POINT THATCHER(WPB-82314)-Sarasota,Fl.-(82'Patrol Craft)
USCGC POINT WARDE(WPB-82368)-San Juan,PR-(82'Patrol Boat)
USCGC POINT WHITEHORN(WPB-82364)-St.Thomas,VI-(82'Patrol Craft)
USCGC PAPAW(WLB-308)-Charleston,SC-(Seagoing Buoy Tender)
USCGC SAGEBRUSH(WLB-399)-San Juan,PR-(Seagoing Buoy Tender)
USCGC SWEETGUM(WLB-309)-Mayport,Fl.-(Seagoing Buoy Tender)
USCGC WHITE SUMAC(WLM-540)-St.Petersburg,Fl.-(Seagoing Buoy Tender)
USCGC COSMOS(WLIC-293)-St.Petersburg,Fl.-(Inland Construction Tender)
USCGC HAMMER(WLIC-75302)-Fort Pierce,Fl.-(Inland Construction Tender)
USCGC HUDSON(WLIC-75309)-Miami Beach,Fl.-(Inland Construction Tender)
USCGC SMILAX(WLIC-315)-Brunswick,Ga.-(Inland Construction Tender)
USCGC RAMBLER(WLIC-298)-Charleston,SC-(Inland Construction Tender)
USCGC SPIKE(WLIC-75308)-Mayport,Fl.-(Inland Construction Tender)
USCGC VISE(WLIC-75305)-St.Petersburg,Fl.-Inland Construction Tender)

The use of the new WSES Class Vessels greatly speeds up calls since these Air Cushion Vessels can hit speeds as high as 33 knots on.a smooth sea base.The Seventh District uses several of these vehicles although they are not all listed,since I do not have all of the names.

AIR STATIONS:(LARGE)

Miami(Opa Locka Airport),Opa Locka,Fl.
St.Petersburg,Clearwater,Clearwater,F

AIR STATIONS:(SMALL)

Borinquen,Aguadilla,PR
Savannah,Hunter AAF,Savannah,Ga.

BASES:

Charleston,SC
Mayport,Fl.
Miami Beach,Fl.
San Juna,PR

MARINE SAFETY OFFICES:

Charleston,SC
Jacksonville,Fl.
Old San Juan,PR
Savannah,Ga.
Tampa,Fl.
Miami,Fl.

STATIONS:

Clearwater,Clearwater,Fl.
Cortez,Cortez,Fl.
Fort Lauderdale,Dania,Fl.
Port Canaveral,Port Canaveral,Fl.
Fort Meyers Beach,Fort Meyers Beach,Fl.

VHF MARINE continued

Fort Pierce,Fort Pierce,Fl.
Georgetown,Georgetown,SC
Islamorada,Islamorada,Fl.
Key West,Key West,Fl.
Marathon,Marathon,Fl.
Ponce de Leon,New Smyrna Beach,Fl.
Lake Worth,Riviera Beach,Fl.
Tybee,Savannah Beach,Ga.
St.Petersburg,St.Petersburg,Fl.
St.Simons Island,St.Simons Island,Ga.
Yankeetown,Yankeetown,Fl.

LIGHT STATIONS:

Georgetown,Georgetown,SC
Dry Tortugas,c/o Group Key West,Fl.
Point Tuna,Maunabo,PR
Egmont Key,c/o Air Station,St.Petersburg,F
Cape San Juan,Fajardo,PR
Cape San Blas,Port St.Joe,Fl.

GROUP OFFICES:

Charleston,SC
Key West,Fl.
Mayport,Fl.
Miami,Miami Beach,Fl.
St.Petersburg,Fl.

Basic Radio information for the Seventh Coast Guard District

157.100 Mhz. - 7th.District-Interior Dept.(Park Service)Liaison
157.150 Mhz. - 7th.District-Interior Dept.(Park Service)Liaison
2679.4 Kc. - 7th.District-Interior Dept.(Park Service)Liaison
139.500 Mhz. - Navy Hurricane Warning Net/Key West Simplex
121.900 Mhz. - St.Petersburg CG Air Station Crash/Fire Net
121.900 Mhz. - Borinquen CG Air Station Crash/Fire Net
121.900 Mhz. - Miami CG Air Station Crash/Fire Net
155.295 Mhz. - Miami Beach CG Base - Dade County Medical Net
157.100 Mhz. - Miami Beach Scheduled Broadcast - 1230,2230 GMT
157.100 Mhz. - Key West Scheduled Broadcast - 1200,2200 GMT
157.100 Mhz. - St. Petersburg Scheduled Broadcast - 1300,2300 GMT
157.100 Mhz. - San Juan Base Scheduled Broadcast - 1210,2210 GMT
157.100 Mhz. - Charleston Scheduled Broadcast - 1200,2200 GMT
157.100 Mhz. - Mayport Scheduled Broadcast - 1215,2215 GMT

You will find the 7th.CG Units Working on the following frequencies.

UHF Frequencies:	VHF Frequencies:
381.700 Mhz.	Ch. 21 - 157.050
381.800 Mhz.	Ch. 22 - 157.100
383.900 Mhz.	Ch. 23 - 157.150
	Ch. 81 - 157.075
	Ch. 83 - 157.175

Well that about does it for this month.Other frequencies to follow while Space activity is happening at Cape Canaveral is in the 162-166 Mhz. area for lots of Naval Sea VHF-FM activity.

Next month reports from Carl (NY-117) & George (Ca-TO-001).

This column still is in bad need of information and ideas to keep it going; please respond.

See you next month.

RCMA NEW MEMBERS LIST

CALA643 - HAKAN YILMAZ;202 N. CLARK DR APT 302;BEVERLY HILLS;CA;90211
CALA644 - GARY HALL;6241 E. DEL AMO BLVD;LAKEWOOD;CA;90713
CALA645 - RICHARD GALINDO;1230 VIOLA ST #B;GLENDALE;CA;91202
CASF041 - PAUL G. DINKELSPIEL;ONE CALIFORNIA ST;SAN FRANCISCO;CA;94111
CASM037 - JIM YOUNG;1180 PARK PACIFICA AVE;PACIFICA;CA;94044
CATU003 - WILLIAM COCHRAN;40215 ROAD 112;DINUBA;CA;93618
CO 050 - JOHN J. KREIGER;2541 AZALEA ST;PUEBLO;CO;81005
CT 091 - RICKY KULMANN;1015 HIGHLAND AVE;WATERBURY;CT;06708
CT 092 - DAVID HARTLEY;67 JOHN AVE;BRISTOL;CT;06010
FL 206 - ROBERT SHANLEY;18250 PERIGON WAY;JUPITER;FL;33458
FL 207 - SIM LAMBERCHT;1521 CHOWKEEBIN NEE;TALLAHASSEE;FL;32301
FL 208 - RALPH J. PERSONS;6742 BONNIE BAY CIRCLE N.;
PINELLAS PARK;FL;33565
GA 064 - DAN WELCH;1443 DALE DR;SAVANNAH;GA;31406
HI 013 - GARY WILLIAMS;700-A ELM DR;PEARL CITY;HI;96782
ID 015 - JOHN N. MILLER;P.O. BOX 264;NEZPERCE;ID;83543
IL 317 - EDWARD --LAST NAME AND ADDRESS WITHELD BY REQUEST
IL 318 - JOEL S. WHITE;3727 N. PINE GROVE ST #300;CHICAGO;IL;60613

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KS  037 - RAY BERRY;1118 FLINT;SALINA;KS;67401
MA  158 - MARK N. MOSSBACKER;33 ALLERTON RD;MILTON;MA;02186
MI  162 - VINCE MIGLIORE JR;355 ARMITAGE;MONROE;MI;48161
MN  051 - PAUL  PELTIER;4817 CAMPBELL AVE;WHITE BEAR LAKE;MN;55110
MS  028 - JIMMY AYCOCK;RT 2 BOX 238;CANTON;MS;39046
NJ  209 - JOSEPH  --LAST NAME AND ADDRESS WITHELD BY REQUEST
NY  338 - TODD HEILER;BOX 74 PERRY HALL;BROCKPORT;NY;14420
NY  339 - ZAHARIAS TERETZIS;36 W. 47 ST.;NEW YORK;NY;10036
PA  224 - RON BRAVERMAN;400 WEST STAFFORD ST;PHILADELPHIA;PA;19144
PA  225 - KEITH  --LAST NAME AND ADDRESS WITHELD BY REQUEST
TN  033 - CURTIS  --LAST NAME AND ADDRESS WITHELD BY REQUEST
TX  171 - DAVID HUECKSTEADT;ROUTE 1 BOX 16A;ROUNDTOP;TX;78954
VA  104 - JIM DONALDSON;5878 WOOD FLOWER CT;BURKE;VA;22015
VA  105 - JOHN B. RINGER;1105 WESTMORELAND RD;ALEXANDRIA;VA;22308
WA  068 - MARY MEADOW;2502 E. 4TH PLAIN BLVD #98;VANCOUVER;WA;98661
WGER001 - WALTER DOERR;STEINMAR 45 5160 DUEREN;WEST GERMANY;;
WI  082 - GLENN ZIOLKOWSKI;700 E. OAKWOOD RD;OAK CREEK;WI;53154
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MEMBERSHIP CARDS AND BADGES

RCMA has no badges, decals, or membership cards for sale or distribution. The label on your newsletter is your membership card. While other clubs may have gimmicks or commercial good deals, our 'good deal' is your newsletter. You determine its content because you write it.

MAILING PROCEDURES

The newsletter mailed each month has a cover date for the following month. This practice is followed so that the US Post Office can deliver your issue no later than the first of the month designated on the cover.

New members whose applications are received before the end of the month will begin receiving the newsletter the following month. The first issue will be dated the month after that — as described above.

RENEWAL PROCEDURES

During the month your membership — and therefore your newsletter delivery — is due to expire, you will receive a renewal notice in the form of a postcard. It contains all the information you need to continue receiving the newsletter.

Renewal checks and new membership applications received by RCMA's General Manager, P.O. Box 542, Silverado, CA 92676, are processed for deposit on a weekly basis. Actual computer updating is done at the end of each month. If your check/MO is received after this cut-off date, you will miss the next issue of the newsletter and your new renewal date will be moved back accordingly.

PRORATED MEMBERSHIPS

Due to postage costs and other considerations, membership applications or renewals for any sum less than the current rate are prorated accordingly. This means that the renewal date will be due in less than a year. Please do not send more money to finish the year; just renew when your prorated date comes up.

Also because of postage costs, RCMA cannot comply with member requests to supply back issues free of additional charge (see the monthly Calendar section regarding ordering of back issues). If a late renewal results in a missed issue, the newsletter can be ordered from RCMA's secretary.

ADDRESS CHANGES

MEMBER notifications of address changes are also updated at the end of each month. If this type of address change notice arrives after the cut-off date, the mailing label will not reflect the new address until the following month.

The newsletter is mailed 3rd class under a bulk mail permit. When a member's address change is supplied by the POST OFFICE (instead of by the member), the charge to the club is 30¢.

SPECIAL FREQUENCY REQUESTS

Get in touch with your local RCMA group (see monthly Calendar section for chapter listings) or use the Contact/Information Wanted column for frequencies in your area. RCMA is not yet set up for national distribution of frequencies, although ultimately, the 'big picture' could include copies of the FCC and IRAC data bases, a fast computer, and software to select and sort in any order.

Contributions of frequencies and other material must be sent to the appropriate newsletter editor. (Editors use their own discretion in printing material sent them by non-members.) Data sent to P.O. Box 4563 is always subject to delay and sometimes cannot be forwarded because of postage costs.

DISCLAIMER

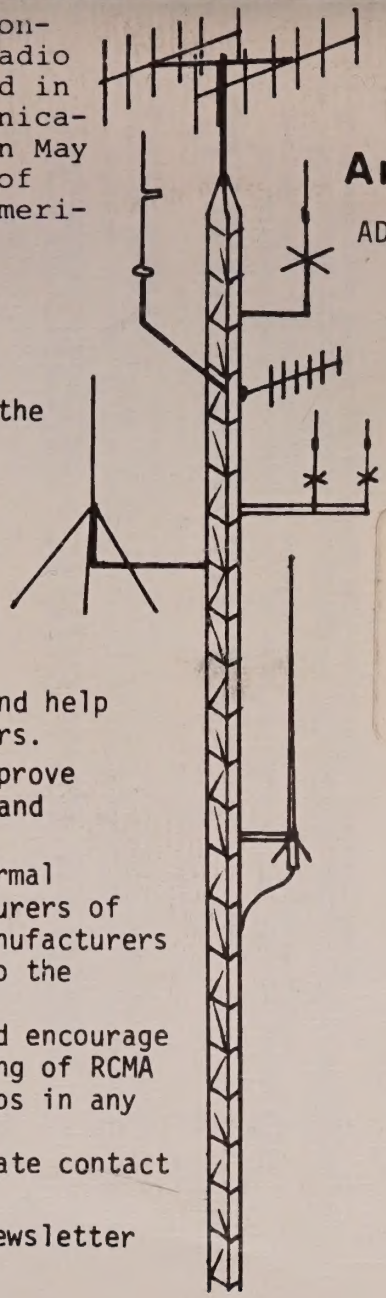
RCMA is a non-profit club for scanner enthusiasts. Neither RCMA or its newsletter are affiliated with, participate in the management of, or are responsible for, any other organization or publication. This disclaimer includes application to POLICE CALL, an annual publication put out by RCMA's good friend Gene Hughes. Queries about this publication cannot be answered by RCMA.

PLEASE REMEMBER — When writing to RCMA for any reason, include your membership number. Use it on your correspondence, checks, or money orders. RCMA tries hard to be responsive to your questions/problems. Using your membership number when you write helps us be of help to you.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications. RCMA was founded in May 1975 and is a Full Member of the Association of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



RCMA
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